

QPRC



THE B QUEANBEYAN PERFORMING ARTS CENTRE

ECLIPSE
LIGHTING AND SOUND

Queanbeyan Bicentennial Hall
Technical Specifications

Rear of 253 Crawford Street, Queanbeyan

November 2022

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Stage

Brief Stage Description:

Unraked stage with a proscenium arch and over-stage hoist motors. Hardwood floor covered with Masonite sheets. Screwing into surface permitted but larger holes to be authorised with technical manager. Crossover located behind the Cyclorama

Stage distributed load limit	7.5KPa
Stage point load limit	4.5KN
Stage rake	No

Stage Dimensions:

Proscenium

Width	11M
Height	5M

Setting Line

Rear edge of the proscenium.

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

SL to DS edge of apron	3.3M
SL to DS edge of Orchestra Liff/Pit	3.3M
SL to first fly line	100mm
SL to last upstage fly line	4.6M
SL to rear wall	8.5M
CL to OP wall (or obstruction)	8.1M
CL to PS wall (or obstruction)	8.2M
Stage to underside of roof	6.7M

Auditorium:

The auditorium consists of raked retractable seating with a maximum Capacity of 576 people. Wheelchair seating is available. There is also the option to only bring out seats in thirds of the option: See below

Third option	Seating Capacity
1 Section	160
2 Sections	288
3 Sections	416
Fully Retracted	544
Fully Retracted with AA Row	576

Orchestra Liff / Pit:

The venue does not have a dedicated Orchestra Pit, if you have a large band contact the Technical Director to discuss how we can accommodate this.

Flying Facilities:

Fly System

The fly system is a chain motor system with room for lighting and curtains. Sets cannot be flown. Any rigging of set will be subject to a qualified rigger consultation at the cost of the hirer.

Fly System Details

Operating Position PS stage level
Total number of Fly Lines 2
Total number of static Lines 6

Batten Drift 4.9M
Batten Type Fly lines are 12m long run of F33 Truss with 18 patch points along it.
Static lines are 50mm round pipe
Batten Length 12M
Batten Extensions N/A
Batten Pick-ups (3) Pick-ups per Truss line, (1) at each end then (1) centre
(5) Pick-ups Per Static Bar
Batten Point Load Note: Only standard Drapery can be hung from static betten's
Truss W.L.L 28Kg Per Metre
Cradle Capacity Chain Motor System rated at 12KG/m plus bar
LX bars can be swung No
Fly bars can be swung No

Hanging Plot:

SL: Setting Line as indicated previously

Line Types: CM – Chain Motor

SB – Static Battern

W.L.L.: Maximum distributed load including bar weight

Line #	Distance from SL	Line Type	W.L.L	Venue Allocation
1	400mm	SB	n/a	Legs & Border
2	600mm	CM	336Kg	LX Truss 1
3	1850mm	SB	n/a	Legs
4	3050mm	SB	N/a	Legs & Border
5	3500mm	CM	336Kg	LX Truss 2
6	3880mm	SB	n/a	French Action Tab
7	4250mm	SB	n/a	Cyclorama
8	4500mm	SB	N/A	Cyc LX Bar

Drapery:

Type	Material	Colour	Width	Height	Quantity
House Curtain	Wool, 100% gathered	Blue	6300mm	5400mm	2
Borders	Wool, 50% gathered	Black	3000mm	1500mm	6
Legs	Wool, 50% gathered	Black	1500mm	5250mm	6
Tabs	Wool, 50% gathered	Black	6300mm	5250mm	2
Cyclorama	Cotton, 100%	White	13090mm	5400mm	1

Access Equipment:

Elevated Work Platform

Vertical man lift, TV25DC, max load 138Kg
Maximum reach is 8.3M

EWP Restrictions

Outriggers must be used at all times, one staff member to be located at base whilst in use

EWP is shared between the 2 venues

Ladders

- (1) Aluminium 3.6M not for electrical use
- (1) Aluminium 2.4M not for electrical use
- (1) Fibreglass 2.4M ladder available for electrical work with notice

Please note these are shared between the 2 venues

Loading Dock:

Access

Truck access via rear of the building, truck is able to reverse up to side access door. Dependant on venue arrangements access may be gained through The Q Loading Dock (*See The Q Technical Specifications for details*)

Restrictions / Obstructions

Large Trucks will block access to carparks

Additional Rigging Notes

Perch positions are mounted vertically to walls, maximum 4 fixtures per perch.
All items to be rigged require prior approval.

- (4) Lighting Booms available at heights of 2m or 3m using CLS Boom plates. (*note: these are shared between venues and subject to availability*)

Staging Notes:

Change rooms are located beside the stage and access is on OP via a staircase. No lift is available to change room level

Note: one change room is on stage level

Lighting

Positions:

Stage LX Bars

Stage LX Trusses and bars can not be swung

LX truss usable width 12m

Additional Un-Powered LX Bars if needed.

See hanging plot for standard LX bar locations

FOH Truss

Setting Line to lighting bar 10.7M @ 30 deg

Usable bar width 16M

Notes: some shots obscured by centre speaker cluster

FOH Perches (PS & OP)

Setting Line to FOH Perch 10M

Notes: Maximum of 6 fixtures per Perch. Distances are to the highest downstage point of boom or perch

Floor Boom Stands

4x CLS Boom Plates with Pipe

Notes: Can be located anywhere on stage floor. Pipe ranging from 1m to 3m

Boom uprights are shared between venues and subject to availability

Follow Spots

Follow Spots are located either side of control room (Note: Shared between venues and subject to availability)

Control:

Lighting desk	Grand MA3 Command Wing XT
Control channels	4096
Signal output	DMX
Signal distribution	8 Output sACN Node located at stage Level with Cat 6 patching run to front of house, note: running in 192.168.1.x IP Range

Dimmer/Distro Racks:

Total Dimmers	4
Dimmer Locations	Located in rack on P side of Stage
2.4Kw Dimmer Racks	Rackmount Bytesize 483 x4
Total dimmers @ 2.4kw per dimmer	48
Total Power Distros	4
Dimmer Locations	Located in rack on P side of Stage
Distro Racks	Jands PDS 12 R

House Lights:

Independent control Yes
Control positions Control room
Fade time adjustable Set Fade
DMX Control No

Stage Luminaire:

Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Rama PC	5-60 deg	Accessories available with prior notice	1200w	8

LED Fixtures

Make	Model	Details	Total
ACME	XA400pro	Pending availability	8
LED Fusion Par	Q XII		16

Location	Quantity	Numbering	Detail / Accessories
Stage LX Truss 1	18	1 – 18	
Stage LX Truss 2	18	19 – 36	
FOH Truss	18	37 - 56	

Power:

3 Phase Outlets

PS US Wall 6 outlets (*Up to 40 amp combined across outlets*)
OP DS Wall 2 outlets (*Up to 40 amp combined across outlets*)

Cabling:

240v Extension Cable

The Theatre has a good stock of extension leads to accommodate the venues standard lighting rig. Any additional equipment will require additional cable stock to be sourced at cost to the hirer.

Audio

Control Positions:

Control Room

Centred in the rear of the auditorium in an open booth. 5.8m w x 2.2m d. No seats pulled.

Control & Amplification:

FOH Mixer

Allen & Heath D-Live DM32 Mix Rack/Brain with a Allen & Heath C3500 surface, 64 mic/line inputs (expandable to 128 with external equipment) 32 mix outputs, configurable 64 bus architecture (Group, FX, Auxiliary, Matrix, Main), 16 FX slots all with stereo returns, built in signal generator and RTA

Stage Boxes

2x DX168 (please note these channels are included in the section above)

Speakers:

FOH Speakers

Electro-Voice 1x X-Array Xi1122 Centre Speaker FOH flown
Electro-Voice 8x XLE 181 Line Array Speaker (Per Side) Left & Right FOH flown
Electro-Voice 4x XDS Subwoofer Cluster under apron of stage
Electro-Voice 3x X-Array Xi1122 Delay hung Left, Centre, Right
All PA run off Electro-Voice P3000 DSP Controlled Amplifiers

Foldback

Make	Model	Detail	Total Available
JBL	PRX512M Powered Wedges		6

Note: Subject to availabilityMicrophones / DI Boxes / Stands:

Make	Model	Detail / Accessories	Use	Total Available
Shure	Beta 58	Clips for all	Vocals	5
Shure	SM 57	Clips for all	Instruments	4
Sennheiser	EW G3 100	Available with Headset or Handheld Microphone		6
Radial	Pro48	Active DI Box		4
Radial	J48 Stereo	Stereo Active DI Box		1
K&M	Tall Boom	Mic Stand		4
K&M	Short Boom	Mic Stand		2

Playback:

Item	Make	Model	Detail	Total
CD Player	Denon	DN-C635	Single Cd Player	1

Line Patching:

Location	Quantity	Numbering	Detail
DS P Wall	12 / 4	1-12	12 input 4 output
DS OP Wall	12 / 4	13-24	12 input 4 output

Speaker Patching:

Location	Quantity	Numbering	Detail
Control Booth	3	Left, Centre, Right	Permanent patch for house system

Cabling:

Audio Cable

Theatre has good stock of cable to accommodate venues equipment

Audio Notes:

FOH Speakers cannot be moved
With notice audio can be pre-patched

Audio Visual

Projection Room:

Located In the Control Room FOH

Projector Input Panels:

SDI inputs located in Control Room and PS DS Wall (Venue has adapters to convert HDMI Signal)
DVI, SDI or HDMI Input straight into Projector (Preferred)

Projectors:

Type	Model	Detail / Accessories	Total
Hitachi	LPWU9750	Can not be relocated HDMI and SDI Inputs.	1

Note: projector is shared between venues and is subject to availability

Screens:

Projection Screen

Hung retractable Projector screen, hung directly behind Bar 1. Not able to be relocated 6.2m X 3.9m

Cabling:

Theatre has a good stock of HDMI and SDI cable and adapters to accommodate the venues own equipment

Audio Visual Notes:

Notice is needed as to what input format is needed.

Backstage

Stage Managers Desk

Stage Managers desk is located in prompt corner. The desk can be moved within a limited area.

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
Dressing room 1	10	1	1	Female dressing room. On stage level
Dressing room 2	10	1	1	Male dressing room. Down staircase

Laundry / Wardrobe:

Iron / ironing board **1**
Clothes racks **2**

Production Facilities:

Production Desk

Production desk can be set up centre of the auditorium

Production Office

NO

Phone

Yes, available in box office

Access to phone for Internet access

Yes, available in box office

WIFI

Yes, Speak to venue technicians to gain access

Stage Door:

Access

Stage door is located OP Side of stage and is accessed down an alley at the rear of the building.

Additional Facilities & Information

Orchestral:

Grand Piano Available on request

Other:

With notice, additional hire equipment is available. Quotes available if needed. Discuss with Technical Manager.

Any extra staffing needed is to be organised with the technical manager at least two weeks in advance.

Contacts

Venue Contacts:

Venue Address Rear of 253 Crawford Street, Queanbeyan. NSW

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Technical Manager **Jacob Aquilina**
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Venue Plans:

Venue Plan Available Yes, Contact Technical Manager
Venue Section Available Yes, Contact Technical Manager