



Queanbeyan Performing Arts Centre Technical Specifications

Rear of 253 Crawford Street, Queanbeyan

November 2022

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VENUE:

Venue Contacts:

Venue Address Rear of **253 Crawford Street, Queanbeyan. NSW**
Phone number: 02 6285 6290
Fax number: 02 6285 6676
Website: <http://www.theq.net.au>

Staff Contacts:

Technical Manager Jacob Aquilina - Eclipse Lighting and Sound
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Program Manager Jordan Best
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Venue Attendant **Michael Shilling**
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Marketing Officer **Joel Horwood**
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Venue Plans:

Venue Plan Available
Yes, Contact Technical Manager

Venue Section Available
Yes, Contact Technical Manager

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 back wall of stage.

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

Stage Dimensions:

Proscenium

Width	14M
Height	6.9M

Setting Line

400mm upstage of the rear of proscenium.

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

SL to DS edge of apron	3.4M
SL to DS edge of Orchestra Pit	3.4M
SL to US edge of Orchestra Pit	770mm
SL to first fly line	400mm
SL to last upstage fly line	7.7M
SL to rear wall	8.0M
CL to OP wall (obstruction @4.6M)	12.1M (9.9M)
CL to PS wall (obstruction @4.6M)	13.9M (9.9M)
Stage to underside of flies	7.2M

Overhead obstructions

Centre audio hang, hung with a height of 4.9M and a distance of 1.1M from the SL.

Auditorium:

The auditorium consists of raked fixed seating with a total capacity of 348 people. Wheelchair seating is available.

Seating capacity with additional Orchestra lift/pit seating installed	346
Seating capacity <u>without</u> Orchestra lift/pit seating installed	346

Orchestra Lift / Pit:

Orchestra Pit

The orchestra pit is covered with fixed floor sections that make up the apron. Requires minimum 2 Eclipse Lighting and Sound staff to remove and needs to be arranged prior to bump-in.

Set positions for orchestra lift where lift at auditorium level is 0mm
Stage level 400mm above auditorium.

Orchestra pit level 2500mm below auditorium.

Lift can be set at any height N/A

SWL of orchestra lift 7.5Kpa

Dimensions of the orchestra pit 11.5M x 3.7M

Orchestra pit maximum capacity 25+

Flying Facilities:

Fly System

The fly system is a hoist 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 Gallery
Total number of Lines	10
Panorama Bars	2
Batten Drift	7.8M
Batten Type	100x50mm Box tubing. Lx bars have 50mm round pipe with patch points hung under the box tubing.
Batten Length	17M
Batten Extensions	N/A
Batten Pick-ups	(6) Pick-ups per Batten, (1) at each end then others at 3.3m intervals
Batten Point Load	45Kg per Metre
Batten W.L.L.	350Kg per bar
Cradle Capacity	Electronic winch system rated at 350Kg plus bar
LX bars can be swung	Yes, with notice or a licensed rigger
Fly bars can be swung	Yes, with notice or a licensed rigger

SEE HANGING PLOT FOR LINE ALLOCATIONS AND FURTHER INFO

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 #	Distance from SL	Line Type	W.L.L	Venue Allocation
1	400mm	MW	350Kg	LX 1
2	1300mm	MW	350Kg	Legs
3	2300mm	MW	350Kg	Projection screen + Border
4	2900mm	MW	350Kg	Legs
5	3600mm	MW	350Kg	LX 2
6	4500mm	MW	350Kg	Tab + Border
7	5200mm	MW	350Kg	LX 3
8	6000mm	MW	350Kg	Legs
9	6800mm	MW	350Kg	LX 4 (un-powered bar)
10	7700mm	MW	350Kg	Rear Tab

Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain	Wool, 100% gathered	Mustard	16800mm	8600mm	1
Proscenium Teaser	Wool, 50% gathered	Black	17500mm	2000mm	1
Borders	Wool, 50% gathered	Black	17500mm	2000mm	2
Legs	Wool, 50% gathered	Black	3000mm	6800mm	8
Tabs	Wool, 50% gathered	Black	16800mm	8700mm	2
Cyclorama	Painted back wall	White	14000mm	8500mm	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

Ladders

- (1) Aluminium 3.6M not for electrical use
- (1) Aluminium 2.4M not for electrical use

Stage Traps:

N/A

Loading Dock:

Access

Truck access via rear of the building, truck is able to reverse into the loading dock.
Access to stage height for large items is by lifting platform
Stage height from ground 1.45M
Loading Dock Height 6.4M
Door Dimensions 4.5M High 5.3M Wide
Lift Platform Dimensions 2.8M Deep 2.14M Wide

Restrictions / Obstructions

Scene door dimensions 3.4m w x 4.4m h
Lift platform minimum height .84m maximum height 1.45m

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.

Staging Notes:

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

Limited in house equipment available, extra equipment will be sub hired in at hirers cost.

LIGHTING

Positions:

Stage LX Bars

All LX Bars can be swung up to 1500mm
LX Bar usable width 12m
Additional Un-Powered LX Bars if needed.
See hanging plot for standard LX bar locations

FOH Bridge #1

Setting Line to lighting bar 7M @ 65 deg
Usable bar width 16M
Notes Some shots obscured by centre speaker cluster

FOH Bridge #2

Setting Line to lighting bar 10M @ 45 deg
Usable bar width 18M

FOH Perches (PS & OP)

Setting Line to FOH Perch 6M
Notes Maximum of 4 fixtures per Perch
Distances are to the highest downstage point of boom or perch.

Floor Boom Stands

4x CLS Boom Plates with Pipe
Can be located anywhere on stage floor
Pipe ranging from 1m to 3m

Follow Spots

Follow Spots are located either side of control room

Control:

Lighting desk	ETC Ion 1000 with 20 sub master faders
Control channels	1024
Signal output	DMX
Signal distribution	Six separate Streams. Feeds from Control Room, Rehearsal Point and PS DS Wall, LSC ISOport distribution throughout the stage and auditorium.
Remote riggers available onstage	Yes

Dimmer Racks:

Total Dimmers	13
Dimmer Locations	iPRO Dimmer racks located on PS gallery on the Fly Floor 3x Bytesize Dimmers located on Fly Floor Railing PS 2x Bytesize Dimmers located on US Wall PS and OP
2.4kw Dimmer Racks	LSC iPRO x8 Bytesize 483 x5
Total dimmers @ 2.4kw per dimmer	180

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	Pacific Zoomspot	14-35 deg		600W	20
Selecon	Pacific Zoomspot	23-50 deg		600W	20
Selecon	Pacific accessories		(10) A Size Gobo Holder (8) B Size Gobo Holder (4) Iris'		20
ETC	SourceFour Jr.	25-50 deg	Accessories available with prior notice	575W	20

Fresnel's

Make	Model	Detail / Accessories	Watt	Total
Selecon	Acclaim 4.5 inch Fresnel	(8) Barndoors	650W	6
Robert Juliat	306LPC 6 inch Fresnel	(24) Barndoors	1000W	20

Wash

Make	Model	Detail / Accessories	Watt	Total
Selecon	Hui Cyc4	4 cells per unit	4x 500W	6

Followspot

Make	Model	Angle	Detail / Accessories	Watt	Total
Canto	1200	12 - 45	Iris with 5 colour flags	1200W	2

Intelligent Lighting

Make	Model	Angle	LED Engine	DMX Channel	Detail / Accessories	Watt	Total
Acme	XA400 Energy Spot Pro (LED Moving Profile)	8-45 deg	270w LED 8400 Lumens	18/22/25	8000K, CMY Colour Mixing, 2x Gobo Wheel (1 rotating), Colour Wheel, 3 Facet Prism, Linear Iris, Frost Effect, Variable Speed, Strobe Effects	420W	8
Showpro	Fusion Par H XII (LED Wash)	23 deg	12X 10w RGBAW +UV LED's	6/8/13	RGBAW+UV Colour Mixing, Selectable white colour temps ranging 3000K-10000k, Double mounting bracket so can be placed on floor or flown,	120W	18

Patching:

Location	Quantity	Numbering	Detail / Accessories
FOH Walkway	2	1-2	Wall in front of Control Room
Orchestra Pit	4	103-106	US wall of orchestra Pit (pit must be open for access)
Light Bridge 1	12	19-30	
Light Bridge 2	18	3-18	
High Level Gallery PS	36		Patching for LX Bars
High Level Gallery OP	8		
Stage OP US	4	99-102	
Stage OP DS	4	35-38	
Stage PS US	4	95-98	
Stage PS DS	4	39-42	
Stage Batten 1 Lighting bar A, B, C	24	83-94	LX Bars to patch bay via auxiliary patch panels on P Side Gallery
Stage Batten 2 Lighting bar D, E, F	24	71-82	LX Bars to patch bay via auxiliary patch panels on P Side Gallery
Stage Batten 3 Lighting bar G, H, I	24	59-70	LX Bars to patch bay via auxiliary patch panels on P Side Gallery

Power:

3 Phase Outlets

- PS US Wall 1 outlet
- OP US Wall 1 outlet
- PS Gallery 11 outlets
- PS DS Wall 1 outlet (through audio distribution board)

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.

Lighting Notes:

- All lighting can be modified from standard rig with 2 weeks notice.
- Any additional lighting equipment will be sourced at cost to hirer.
- Please contact Technical Manager for Standard Rig Plot

AUDIO

Control Positions:

Control Room

Centred in the rear of the auditorium in an open booth. 8m w x 2.5m d. No seats pulled.

Control & Amplification:

FOH Mixer

Soundcraft VI 3000 digital mixing console, 48 local inputs* (capability of expanding to 96) 16 local aux sends (capable of 24) 8 groups, phantom power, inbuilt effects and graphic equaliser. Can also Support Dante Network.

*House line patching only allows 32chs of input from the local patching to console.

Speakers:

FOH Speakers

Meyer Powered 2x UPJ-1P Centre Cluster FOH flown

Meyer Powered 2x UPJ-1P (Per Side) Left & Right FOH flown

Meyer Powered 2x USW-1P Left & Right FOH on front edge of stage

Meyer Powered 3x M1D Front Fill positioned along DS edge of Apron

Foldback

Make	Model	Detail	Use	Total
Meyer	M1D		3 Front Fill 2 Side Fill	5
JBL	PRX512M	Powered Wedges	Foldback wedges	6

Microphones / DI Boxes / Stands:

Make	Model	Detail / Accessories	Use	Total
Shure	Beta 58	Clips for all	Vocals	4
Shure	SM 57	Clips for all	Instruments	4
Sennheiser	EW G3 100	Transmitter is either Hand held or belt pack w/Headset		6
Radial	Pro48	Active DI Box		4
Radial	J48 Stereo	Stereo Active DI Box		1
K&M	Tall Boom	Mic Stand		2
K&M	Short Boom	Mic Stand		2
	12ch 25m Multicore	12 input 4 output		1

Playback:

Item	Make	Model	Detail	Total
Cd Player	Denon	DN-C635	Single Cd Player	2

Line Patching:

Location	Quantity	Numbering	Detail
Orchestra pit	40	1-40	4 locations within the pit
PS Stage	24	65-88	65-72 can be outputs
PS US Wall	8	97-104	97 and 98 can be outputs
OP Stage	12	41-52	41-43 can be outputs
OP US Wall	8	89-96	89 and 90 can be outputs
Rehearsal point	2	105-106	
Lighting Bridge 1	6	107-112	
Lighting Bridge 2	6	113-118	

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 (Adapters to convert HDMI Signal available at additional cost)

DVI, SDI or HDMI Input straight into Projector (Preferred)

Projectors:

Type	Model	Detail / Accessories	Total
Hitachi	LPWU9750	Can not be relocated, VGA, RGBHV, Composite, HDMI and DVI Inputs.	1

Screens:

Projection Screen

Front projection motorised screen flown from fly bars.

Screen dimensions 4m tall x 6.5m wide

Back wall can also be used as a projection screen (Please note image does not cover entire back wall)

Cabling:

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

Audio Visual Notes:

Please provide notice as to what input format is required

BACKSTAGE

Communications:

Stage Managers Desk

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

Talkback

Master Unit	Clearcom system running up to two loops. Located at SM Desk
Total sub stations	6 + 1 master system located at SM desk
Total headsets	8
Radio Units In-house	0
Talkback patching located at:	PS OP Bridge1 Bridge2 Control room Production desk Dressing rooms Orchestra Pit

Paging / Show relay

Paging to dressing rooms is available from stage managers desk. Show relay is distributed to dressing rooms and green room (volume controlled from control room)

Stage Monitor

TV's set up in green room, box office, SM Position and dressing rooms. Camera located in control room.

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
Dressing room 1	30+	(3)M	YES	Male dressing room
Dressing room 2	30+	(3)F	YES	Female dressing room
Dressing room 3	15+	(0)	NO	Small guest dressing room or Costume room

Laundry / Wardrobe:

Washing Machines	1
Dryers	1
Drying rooms	1
Iron / ironing board	1
Clothes racks	2

Production Facilities:

Production Desk	Can be set up centre of the auditorium. Comm's system available.
Production Office	NO
Phone	Yes, available in box office
Fax	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

Greenroom:

Tea / Coffee facilities	Yes
Fridge / freezer	Yes
Microwave	Yes
Running water	Yes

Stage Door:

Access

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

ADDITIONAL FACILITIES & INFORMATION

Orchestral:

Yamaha Grand Piano

Available for use with notice, at stage level only

Grand Piano must be stored in wings at all times if not in use on stage.

Equipment	Details/Notes	Qty
Yamaha Grand Piano	Tuning not included	1
Digital Baby Grand Piano		1
Music Stand		3

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.