

Middleback Theatre

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Technical Specifications

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STAGE

Brief Stage Description

Unraked stage with a proscenium arch and flying facilities. Hardwood floor covered with masonite sheets. Screwing into surface permitted but larger holes to be authorised by Technical Manager. Stage crossover behind US fly line, and via passage at rear of stage.

Stage distributed load limit	750kg/m²
Stage point load limit	not specified
Stage rake	No

Stage Dimensions:

Proscenium

Width	12900mm(without false pros.) 10800mm (with false pros in)
Height	6400mm with teaser out – minimum of 4500mm (teaser in)

Setting Line

Upstage in line with the rear of the proscenium (downstage of the house curtain).

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

SL to DS edge of apron	400 mm
SL to DS edge of Orchestra Lift/Pit	2900 mm
SL to first fly line	1300 mm (first available line)
SL to last upstage fly line	9850 mm (last available line)
SL to rear wall	11710 mm
CL to OP wall (or obstruction)	10650 mm
CL to PS wall (or obstruction)	9930 mm
Stage to underside of grid	16400 mm

Overhead obstructions

6400 mm to underside of gallery.

Auditorium:

Auditorium is a single seating section to front wall of control room with isles on PS and OP walls. Seat backs are removable to enable fitting of sound desk tables or production desk.

Front row of seats are removable for raising of apron or lowering for pit opening.

Seating capacity with additional Orchestra lift/pit seating installed	500
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Seating capacity <u>without</u> Orchestra lift/pit seating installed	479
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Orchestra Lift / Pit:

Orchestra Pit

Motorised orchestra pit lift (operated from PS with pendant controls)

Set positions for orchestra lift where lift at auditorium level is 0mm
Stage level at **1000 mm** above auditorium.

Orchestra pit level at **1300 mm** below auditorium.

Lift can be set at any height **Yes**

SWL of orchestra lift **8 tonne, max loading 750kg/m²**

Dimensions of the orchestra pit **10500 mm wide at stage edge x 6500 mm wide at auditorium edge by 3500 mm deep at centre**

Orchestra pit maximum capacity **14**

Flying Facilities:

Fly System

Fly system is a single purchase system.

Fly System Details

Operating Position	PS at stage level
Total number of Lines	45 lines (not all available – some have fixed equipment)
Panorama Lines	1 bar OP and 1 bar PS operated by lines 59 & 60
Batten Drift	15000mm
Batten Type	50mm OD pipe
Batten Length	15600 mm
Batten Extensions	N/A
Batten Pick-ups	(5) pickups, (1) at centre others distributed over length
Batten Point Load	not specified – max load of 600kg must be evenly distributed over length of batten.
Batten W.L.L.	600 kg
Cradle Capacity	400kg as rigged or 600kg with optional cradle extension added (3 only available)
LX bars can be swung	Yes
Fly bars can be swung	Yes

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	Intended Use (hiring company use)
0	700	SP	400kg	House Curtain	Not moveable
1	1000			False Proscenium Teaser	Not moveable
2	1150			False Proscenium Tormentor	Not moveable
3	1300			Spare	
4	1450			Line not installed	Line not installed
5	1600			LX1	
6	1750			Line not installed	Line not installed
7	1900			Spare	
8	2050			Spare	
9	2200			Spare	
10	2350			No 1 Border	
11	2500			Cinema Screen (fixed)	Cannot be moved to another line
12	2650			No 1 Legs	
13	2800			Spare	
14	2950			Line not installed	Line not installed
15	3100			LX2	
16	3250			Line not installed	Line not installed
17	3400			Spare	
18	3550			Spare	
19	3700			Spare	
20	3850			Spare	
				150mm gap	150mm gap
21	4150			Line not installed	Line not installed
22	4300			No 2 Border	
23	4450			Rear Projection Screen	Cannot be moved to another line
24	4600			No 2 Legs	
25	4750			Line not installed	Line not installed
26	4900			LX3	
27	5050			Line not installed	Line not installed
28	5200			Spare	
29	5350			Spare	
30	5500			Spare	
31	5650			Spare	
32	5800			Line not installed	Line not installed
33	5950			Spare	
34	6100			Spare	
35	6250			No 1 Tabs	
36	6400			Spare	
37	6550			No 3 Border	
38	6700			Line not installed	Line not installed
39	6850			No 3 Legs	
40	7000			Spare	

Line #	Distance from SL	Line Type	W.L.L	Venue Allocation	Intended Use (hiring company use)
41	7150			Line not installed	Line not installed
42	7300			LX4	
43	7450			Line not installed	Line not installed
44	7600			Spare	
45	7750			Spare	
				150mm gap	150mm gap
46	8050			Line not installed	Line not installed
47	8200			Spare	
48	8350			No 4 Border	
49	8500			No 4 Legs	
50	8650			Line not installed	Line not installed
51	8800			Line not installed	Line not installed
52	8950			Cyc Flood Bar (Iris 4)	
53	9100			Line not installed	Line not installed
54	9250			Line not installed	Line not installed
55	9400			Spare	
56	9550			No 2 Tabs	
57	9700			Spare	
58	9850			Spare	
59	10000			PS side barrel	
60	10150			OP side barrel	
61	10300			Cyclorama	

Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain		Red			1
Borders		Black	15600	3500	4
Legs		Black	3300	8000	4
Tabs / Smother		Black			2
Cyclorama		White	15600	7700	1
Scrim	N/A	N/A			0

Access Equipment:

Elevated Work Platform

JLG DLV20 vertical lift platform

Maximum reach is **5.95 metres**

EWP Restrictions

No outriggers fitted or required – unit is self propelled, and can be driven from platform when elevated. Can fit through a standard door when retracted. Weight 1tonne.

Can not be used on a raked stage.

Ladders

1 x 4 metre aluminium A frame ladder

1 x 2 metre fibreglass A frame ladder

1 x 1.5 metre aluminium A frame ladder

1 x 4 metre fibreglass A frame ladder

Staging Units:

7 only staging units of each size listed below.

Each unit is an unpainted timber frame with a removable plywood top.

Each unit is 1200 mm deep, and 1800 mm wide available in the following heights:

150mm, 300mm, 450mm, 600mm, 750mm, and 900mm

Stage Covers:

Style N/A

Dimensions N/A

Stage Traps:

None

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**

Note: Measurement is to the downstage edge of the Fire Curtain.

Additional Requirements

If smoke, pyrotechnics or haze used and isolation of smoke detectors required, a fireman must be on duty when public are in the building.

Loading Dock:

Access

Truck access via car park off Racecourse Road near intersection with Nicolson Ave.

Loading Dock Height **Ground level (which is also stage level). Hydraulic goods lift is recessed in to ground which is operated from inside workshop area.**

Door Dimensions **2650 mm High
2170 mm Wide**

Restrictions / Obstructions

Trucks must park end on to loading dock (reversing in) and must leave the same way they enter (ie there is no through road).

Additional Rigging Notes

The theatre is hired in a standard configuration for lighting, sound and fly lines. This includes the lighting rig standard colours (red, blue, amber and o/w); the stage apron at auditorium floor level with seats in; stage floor colour - theatre grey; stage clean clear and tidy. Any variation to the standard configuration will be made at the hirer's expense and returned to the standard configuration at the hirers expense. The theatre must be informed in writing at least four weeks prior to the bump in of any change you wish to make to the standard rig.

Staging Notes:

Access to grid and stage galleries via vertical ladders PS and OP at rear of stage.

All rigging equipment must be brought in by touring company.

Access to stage galleries and grid is from PS and OP vertical ladders at rear of stage.

LIGHTING

Positions:

Stage LX Bars Can be swung to any free line
See hanging plot for standard LX bar locations

Orchestra Bar

Setting Line to lighting bar **N/A**
 Usable bar width **N/A**
 Notes **N/A**

FOH Bridge #1

Setting Line to lighting bar **10832mm @ 50 deg**
 Usable bar width **18500mm**
 Notes

FOH Bridge #2

Setting Line to lighting bar **13271mm @ 38 deg**
 Usable bar width **18500mm**
 Notes

FOH Booms (PS & OP)

Setting Line to FOH Boom **9093mm @ 43 degrees**
Distances are to the highest downstage point of boom or perch.
 Maximum lanterns per boom **6 minuette lamps or 4 CCT 15 deg profiles**
 Notes PS boom has restricted view of PS stage, OP boom has restricted view of OP side of stage

Control:

Lighting desk **ETC Express**
 Control channels **125**
 Signal output **DMX512**
 Signal distribution **2 Streams, wiring currently being installed to dimmer room and PS side stage. Demux is located in control room adjacent to lighting desk. No cabling currently available to extend DMX beyond the control room at back of auditorium.**

Remote riggers available on stage **No**

Dimmer Racks:

Total Dimmers **72**
 Dimmer Locations **Dimmer room located at end of PS gallery above stage managers desk, with direct access to FOH bridges and backstage patch boards on gallery – demux is located adjacent to lighting desk in control room.**
 2.4Kw Dimmer Racks **Jands 2.4kW 12 module rack analogue**
 Total dimmers @ 2.4kw per dimmer **12**
 5Kw Dimmer Racks **Jands 5kW 6 module racks analogue**
 Total dimmers @ 5kw per dimmer **60**

House Lights:

Independent control	Yes
Control positions	Control Rm, PS adjacent to SM desk, and FOH managers office in foyer
Fade time adjustable	Yes

Stage Luminare:**Profiles**

Make	Model	Angle	Detail / Accessories	Watt	Total
CCT	Minuette zoom		Colour frames	650	20
CCT	Minuette TT		Colour frames	650	12

Fresnel's

Make	Model	Detail / Accessories	Watt	Total
CCT	Starlette	Barndoors, colour frames	1000	24
CCT	Fresnel	Barndoors, colour frames	2000	4
CCT	Fresnel	Barndoors, colour frames	650	8

PC

Make	Model	Detail / Accessories	Watt	Total
CCT	Pebble convex	Barndoors, colour frames	2000	12

Followspots:

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Performer	9-16	6 colour magazine	1200	2

Additional Lighting:

Item	Make	Model	Detail / Accessories	Watt	Total
Mirror Ball			Ball and motor	N/A	1

Patching:

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
FOH Bridge 2	30	1-30	
FOH Bridge 1	30	31-60	
Gallery PS	15	97-111	
Gallery OP	56	112-167	
Control Room	1	93	
Floor Traps PS	12	168-179	
Floor Traps OP	12	180-191	
Proscenium PS	6	204-209	
Proscenium OP	6	198-203	
Box Boom PS	8	61-68	
Box Boom OP	8	69-76	

Power:

3 Phase Outlets

1 only 5pin 32 amp 3 phase outlet located PS rear wall of stage

1 only 5 pin 32 amp 3 phase outlet located in Workshop behind stage.

Cabling:

240v Extension Cable

Theatre has stock of extension leads available for use. Number available may vary depending on demand in house – Check if additional equipment is required.

Looms

None

3 phase Extensions

None

Lighting Notes:

Colour gel can be supplied at cost if 4 weeks notice given

AUDIO

Control Positions:

Control Room

Rear OP from centre position in control room behind sliding glass windows – not relocatable to any other position – no seats pulled.

Auditorium

At rear two rows of auditorium seating, centre of rows – all cabling to backstage must be supplied by hirer.

Total seat allocation **16**

Other

At PS adjacent to SM desk or OP side. (Must be patched into patch bay downstage on OP and then in to main console in control room if using theatre sound system).

Control & Amplification:

Primary Mixer

SoundCraft GB4 24 channel mixer, phantom power, 2 stereo inputs, 8 aux sends, 4 groups – 16 channels available side stage (OP side).

Secondary Mixer

N/A

Amplifiers

One Crown XLS602 to drive FOH.

Two Yamaha PC2002M amplifiers for F/B and Subwoofers

EQ

Dbx 1231 twin EQ wired for foldback

FX

Yamaha D1500 Digital Delay mounted in control room rack

Compression / Limiter / Gates

None fitted

Speakers:

FOH Speakers

One JBL AC2215/64 and one JBL AC2215/95 fitted on each side of the proscenium.
(Four speakers total)

Fold back

Electro-Voice TL 12/2 (4 only)

Playback

Item	Make	Model	Detail	Total
CD Player	Denon		Single Professional CD player	2
Cassette player	Denon			2

Microphones:

Make	Model	Detail / Accessories	Use	Total
AKG	D330BT	Mic clips		6

Accessories

Item	Model	Detail / Accessories	Total
Microphone stands	Tripod base	With boom arm	6
Microphone stand	Round base	straight	1

Line Patching:

Location	Quantity	Numbering	Detail
OP side stage	16	1 - 16	16 sends, 4 returns
PS floor traps	8		Patched via OP side stage above
OP floor traps	8		Patched via OP side stage above

Speaker Patching:

Location	Quantity	Numbering	Detail
PS & OP Floor traps	8 total		4 PS and 4 OP for Fx or F/Back
PS	4	1-4	
OP	4	5-8	

Cabling:**Audio Cable**

Theatre has a number of 20 metre and 10 metre microphone cables fitted with 3 pin XLR connectors. Several 4 pin to 4 pin XLR speaker cables for foldback

Multicore

No multicore available

Audio Notes:

FOH speakers rigged permanently in position – not moveable.

Mixer can not be removed from control room.

Control room position not recommended for live mixing – recommend using toured desk at rear of auditorium with seats removed – all additional cabling will need to be supplied.

Theatre foldback speakers use 4 pin XLR connectors suited only to in house system – not easily matched to common toured connectors.

AUDIO VISUAL

Projection Room:

NA

Projectors:

Type	Model	Detail / Accessories	Total
N/A			

Screens:

Projection Screen

Front projection matt cinema screen permanently rigged on line 11

Screen dimensions **8200mm wide, 4270mm high – 8200mm clearance underneath to stage when flown out.**

Additional Screens

Rear projection screen permanently rigged on line 23

Screen dimensions **4000mm wide, 3000mm high, can be flown in to stage level. Clearance underneath to stage when flown out 7300mm**

AV Playback Equipment:

Item	Model	Detail / Accessories	Total
N/A			

Projector Rigging Points:

Audio Visual Notes:

Restricted view to top of cyclorama from Bridge 1 and 2 due to top of proscenium.

BACKSTAGE

Communications:

Stage Managers Desk

SM desk is located in prompt corner and can be moved within this area and is fitted with light, effects switching, talkback to production areas and artist paging to dressing rooms.

Talkback

Master Unit **Jands talk back system**

Total sub stations **Jands – number available 6**

Total headsets **number available 6**

Radio Units In-house **None available**

Talkback patching located at: **Control room – lights, sound and F/spots**
PS fly system, SM desk
OP audio patch bay (downstage OP side on wall)
OP No2 floor trap
Gallery level PS and OP, Bridge 1 & 2
Auditorium floor midway to back of stalls, centre of row of seats

Paging / Show relay

Paging (from SM desk) and Show relay to each dressing room and green room. Each room has individual volume control.

Stage Monitor

Camera rigged at back centre of auditorium patched to foyer only. Could be patched side stage with suitable cabling if supplied.

Q Light System

In house Q light system available **Yes – can be rigged using effects switching facility and suitable 240v light**

Number of units **N/A**

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
Dressing Room 1	20	(1) M	Yes (2)	Showers & toilet adjacent to DR 1
Dressing Room 2	20	(2) F	Yes (2)	Showers & toilet adjacent to DR 2
Dressing Room 3	4	1	1	Incorporated in ensuite
Dressing Room 4	4	1	1	Incorporated in ensuite

Laundry / Wardrobe:

Washing Machines	1 only front loading
Dryers	1 only front loading
Drying rooms	1 only drying cabinet
Iron / ironing board	1 only moveable
Clothes racks	N/A

Production Facilities:

Production Desk

Production desk can be set up in centre of stalls with light and talk back.

Production Office

Can use one of the small dressing rooms with broadband internet available (RJ45 socket) no telephone available

Phone

Not available in dressing rooms

Fax

Fax only available in admin office during normal office hours (Mon – Fri). See Technical Manager.

Access to phone for internet access

No, broadband available in dressing rooms and greenroom by arrangement with Technical Manager (subject to written agreement of conditions of use).

Greenroom:

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

Stage Door:

Access

Stage door is located off Nicolson Ave adjacent to dressing rooms. This door is locked to prevent outside access during performances for security. It is a designated Exit for emergencies. This door is the sign in point for back stage passes.

ADDITIONAL FACILITIES & INFORMATION

Orchestral:

(1) Yamaha C7 Grand Piano

(1) Yamaha upright piano

Relocation and tuning subject to prior arrangement (4 weeks notice required)

(13) Music stands with lights –

(1) Conductors music stand with light.

Rehearsal Space:

Green room is available for rehearsal space (carpeted floor) 8500 mm x 6500 mm

Other:

Theatre supplies one Technical Manager as part of the hire (see hiring agreement for conditions and extra costs).

All other technical staff are hired in as requested by hirer at hirers cost, subject to availability and advanced notice. Minimum call is 3 hours. Meal breaks must be allowed for. See hiring agreement for conditions.

VENUE:

Venue Contacts:

Venue Address **141a Nicolson Avenue, Whyalla**

Venue Postal Address **PO Box 640 Whyalla, South Australia, 5600**

Staff Contacts:

Administration Ryan Sutherland

Phone Number (08) 8644 7303

Email Address middleback@countryarts.org.au

Fax Number (08) 8644 7399

Venue Plans:

Venue Plan Available

Yes AutoCAD release 14 drawings can be emailed

Venue Section Available

Yes AutoCAD release 14 drawings can be emailed

Venue Information:

Contact Administration for details of accommodation and refreshment facilities near the Theatre.

A full time cinema operated by theatre staff is located next door. Public access is via Middleback Theatre foyer.