



MONCRIEFF ENTERTAINMENT CENTRE

TECHNICAL SPECIFICATIONS

STAGING

STAGING DESCRIPTION

The stage is an un-raked proscenium arch with flying facilities. Additionally, the stage doubles as a cinema and as such cinema equipment shares the flying facilities. Screwing into the stage is not permitted.

Stage distributed load limit:	550kg/m ²
Stage point load limit:	NA
Stage rake:	NO
Fly Grid Beams SWL:	1600kg, point load, 300 x 90 PFC Beams (mid span)

STAGE DIMENSIONS

PROSCENIUM

Width	11990mm
Height	4590mm

SETTING LINE

In line with the upstage edge of the proscenium.

DISTANCE FROM

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

SL to DS edge of apron	1780mm
SL to DS edge of Orchestra Pit	3615mm
SL to first available fly line	650mm
SL to last upstage fly line	7020mm
SL to rear wall	7340mm
CL to OP wall (or obstruction)	8100mm
CL to PS wall (or obstruction)	10300mm
Stage to underside of grid	11830mm

OVERHEAD OBSTRUCTIONS

PS & OP Air Con Duct	4220mm
PS & OP Fly gallery to stage floor	5100mm

AUDITORIUM

The seating bank has wide seating positions which may have sightline ramifications.

Seating capacity	795
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FLYING FACILITIES

FLY SYSTEM

Single purchase counterweight fly system.

FLY SYSTEM DETAILS

Operating Position	PS at Stage Level
Total Number of Lines	29 +HC
Panorama Lines	NO
Batten Drift	Varies 11360mm – 11600mm
Batten Type	48mm O/D Round Tube
Batten Length	15100mm
Batten Extensions	N/A
Batten Pick-ups	5 Pick-ups, on Centre, 3510mm from C and 7010mm from C
Batten Point Load	NA
Batten S.W.L.	380kg
Cradle Capacity	372kg
LX Bars can be swung	NO, Braille Only
Fly Bars can be swung	YES

See following page for hanging plot for line allocations and further information.

DRAPERY

Type	Material	Colour	Width	Height	QTY	
House Curtain	Velour	Red	7650 mm	5500 mm	1 (PAIR)	100% Gathered
Borders	Wool	Black	16000 mm	3000 mm	3	Flat
Legs	Wool	Black	3000 mm	6000 mm	4 (PAIRS)	Flat
Tabs on Track	Wool	Black	8450 mm	5500 mm	1 (PAIR)	50% Fullness
Tabs	Wool	Black	8450 mm	5500 mm	1 (PAIR)	50% Fullness
Smother	Wool	Black	16000 mm	5500 mm	1	Flat

HANGING PLOT

Bar No.	Item	Distance from setting line*	Weight	Static	Live	Touring	Comments
1							
2	House Curtain (Red)	450					Half Bar
3		760					
4							Not Installed
5	LX 1	1020					
6		1220					
7		1410					
8	Legs 1	1620					Set 6m from C
9	Black Tabs	1820					On Track
10							Not Installed
11	Border 1	2225					
12	Cinema Screen	2410					Not Moved
13		2620					
14	Cinema Audio	2810					Not Moved
15	Cinema Audio	3020					Not Moved
16		3210					
17	Legs 2	3410					Set 6m from C
18	LX 2	3620					
19							Not Installed
20		4020					
21	Border 2	4230					
22	Black Tabs	4430					
23		4620					
24		4800					
25	Legs 3	5010					Set 6m from C
26	LX 3	5220					
27		5420					
28							Not Installed
29	LX 4 Lyc Wash	5830					
30		6020					
31		6230					
32	Border 3	6420					
33	Legs 4	6630					Set 6m from C
34	Black Smother	6820					Full Smother
35		7020					

*Measurements are from the setting line, which is the concrete back of the proscenium. All measurements are in millimetres.

- Stage edge is 3615mm DS of Setting line.
- Lighting bars cannot be swung only brailed.
- All bars are round 48mm OD steel.
- All bars are rated to SWL 380kg.

HEIGHT ACCESS EQUIPMENT

ELEVATED WORK PLATFORMS

There is no Elevating Work Platform available. Focus is achieved with bounce focus only.

LADDERS

Aluminium Single Sided 'A' Frame - 2.4 metres
Aluminium Double Step 'A' Frame Ladder – 4.2 metres
Aluminium Extension Ladder – 4.6 metres
Fibreglass Single Sided P/Form – 3.4 metres
Fibreglass Single Sided P/Form – 4.3 metres

STAGING UNITS

6x 2400mm x 1200mm Rostra.
A range of leg heights are available (300mm, 600mm and 900mm).

LOADING DOCK

The Loading Dock utilises a small exterior dock lift from street level to stage level. A separate PDF of the Loading Dock & Lift Dimensions is available by request to the Technical Team.

ACCESS

Vehicle Access is via Post Office Lane, (one-way direction from Barolin St), at the rear of the theatre. Parking is available in dock area for trucks.

Main Auditorium Access	Located Upstage PS
Loading Dock Height	2400mm above road
External Door Dimensions	2500mm wide x 4120mm high
Dock Lift Dimensions	1200mm wide x 1600mm long
Scissor Lift capacity	1000kg

PWD ACCESS

PWD access for audience members is via the side ramp to the right of the foyer entrance.
This gives wheelchair access to the front row of the auditorium.

There is limited stage PWD access. Please contact the Technical Team for details.

LIGHTING

LIGHTING POSITIONS

See hanging plot for standard LX bar locations

FOH BRIDGE

Setting Line to lighting bar	8200mm
Usable bar width	6895mm each side

**There is a 1260mm void in the centre of this bar.*

ORCHESTRA BAR

Setting Line to lighting bar	3615mm
Usable bar width	12000mm

FOH PERCHES (PS & OP)

Setting Line to FOH Perch	3500mm (DS Edge)
Height	2000mm, 2650mm, 3300mm, 3950mm

**Height is from stage to centre of the bar*

Maximum lanterns per perch	3x 1kW profiles
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CONTROL

Lighting desk	GrandMA3 Light (Main Desk) + LSC Clarity LX300
Signal distribution	2x DMX Streams available
Main System	Pathport Backbone to all areas using sACN

DIMMERS

Dimmer Locations	Dimmer room under stage on OP
10A Dimmer Racks	LSC Gen6 2.4kW Dimmers 2x EKO True Power 5kW LSC Dimmers (24Ch)

LX POWER

PS Stage Level – 3 Phase Outlet
OP Stage Level - 1x 45A 3 Phase Outlet <i>(Not available when using House LX 3&4)</i>
OP Stage Level - 1x 160A Terminals

CABLING

The theatre has minimal stock of Three Phase, 240V extension and DMX cables of varying lengths. Please consult with the Technical Team should you have higher cabling requirements.

HOUSE LIGHTS

Control	Multiple Control Panels in Venue
Control Positions	Control Room (rear of auditorium), Touring Mix, Side Stage, Prompt Corner
Fade time adjustable	NO (7 second fade time)
DMX Control	

TECHNICAL SPECIFICATIONS

LUMINAIRES

All lamps are rigged in a standard venue configuration. Costs will apply to change and restore back to standard.

PROFILES

Make	Model	Angle	Detail / Accessories	Watt	Total
LEDPRO	EK EProfile VW	25-50 Deg	FOH Bridge Standard Rig		12
LEDPRO	EK EProfile VW	26 Deg	FOH Bridge Standard Rig		12
Selecon	Pacific	25-50		1000w	19
Selecon	Pacific	12-28		1000w	4
CCT	Silhouette	22-40		1000w	4

CONVENTIONAL WASH

Make	Model	Detail / Accessories	Watt	Total
Selecon	Rama	Fresnel	1000w	16

LED WASH

Make	Model	Detail / Accessories	Watt	Total
Aryton	Merak	Standard Mode		12
ShowTech	Quad18			8

PARCANS

Make	Model	Angle	Detail / Accessories	Watt	Total
NA	Par 64 240V			1000w	8

WASH/FLOODS

Make	Model	Detail / Accessories	Watt	Total
Silver Star	MYCYC2			12

MOVERS

Make	Model	Control Channels	Detail / Accessories	Watt	Total
Martin	Mac 350 Entour	Extended		418	8

FX

Make	Model	Detail / Accessories	Watt	Total
	UltraViolet Battens		36w	4
Unique	2.1	Haze Machine		1
ShowTech	FusionBar QXV	1 metre		6
	Mirror Ball	600mm		1

TECHNICAL SPECIFICATIONS

FOLLOW SPOTS

Make	Model	Angle	Detail / Accessories	Watt	Total
CCT	Silhouette CID		6 frame magazine	1000w	1

PATCHING

Location	Quantity	Numbering	Detail / Accessories
FOH Bridge	20	1 – 20	
OP Perch	7	21 – 28	
PS Perch	7	29 – 36	
OP Diptraps	4	37 – 41	
PS Diptraps	4	42 – 46	
OP Pro Boom	5	47 – 52	
PS Pro Boom	5	53 – 58	
LX1	19	60 – 79	
LX2	19	80 – 99	
LX3	19	100 – 119	
LX4	10	120 – 139	
Orchestra Bar	10	140 - 150	

AUDIO

CONTROL POSITIONS

Standard Rear of auditorium in control room
 Touring Behind exit steps midway up the stalls

AUDIO CONSOLES

Digico SD9 + Digico SD12

AMPLIFICATION

FOH

4 x L-Acoustics LA4X Amplifier – 1 x L-Acoustics LA2X1 4 Channel Amplifier

MONITORS

10 x L-Acoustics LA4X Amplifier

FOH

L-Acoustics KIVAII System (8 per side) L-Acoustics SB15M 15" Top Flown Subs (2 per side)
 4 x L-Acoustics KS211 High 21" Subwoofers under stage.

MONITORS

10 x L-Acoustics X15 Monitor Wedges

CABLING

The theatre has minimal stock of microphone and speaker cable to accommodate the venue's own equipment. Please consult with the Technical Team should you have higher cabling requirements.

MICROPHONES

Make	Model	Detail / Accessories	Total
Shure	SM58		6
Shure	SM57/B		5
Sennheiser	E904	Percussion instrument Mics (Drum Kit Set)	4
Sennheiser	E914	Instrument Mics (Drum Kit Set)	2
Sennheiser	E902	Bass Instrument Mic (Drum Kit Set)	1
Sennheiser	MD 421- II	Cardioid Dynamic Mic	2
Rode	NT5	Cardioid Condenser Mic (Matching Pairs)	3
DPA	4099 – P	Supa Cardioid Stereo pari for Piano	1
EV	EL PL80		1
Beyer	M201		3
Shure	SM202	Mini Condenser	4
Sennheiser	Ew500G3	RX Handheld – e935 Caps	6
Sennheiser		Lapel Buds	5
Sennheiser		Headset mic	6
Audiotechnica	AT8410A	Shot Gun	1
JTS	JM-X2	Kick Mic	1
Berringer	ECM8000	O/Head Dynamic	1
ProDJ	PDM52	DI	4

AUDIO POWER

PS DS Stage Level - 1 x 45A 3 Phase Outlet (DS of fly rail)

VISION

PROJECTION

In the auditorium just upstage of the FOH Lighting bridge is a ceiling mounted Panasonic PTEW730.

VISION MIXING / SWITCHING

Kramer VP728 Switcher

Roland V60 Vision Mixer

CABLING

The theatre has a minimal stock of coaxial, VGA and HDMI cable. Please consult with the Technical Team should you have higher cabling requirements.

CINEMA

The theatre has a full Digital Dolby surround sound Cinema system.

PROJECTOR

Barco BME DP2K-15CLP ICP Laser projector

SERVER

Doremi IMB Media Block with Doremi ShowVault storage

SCREEN

11m wide x 4.8m high Harkness perforated cinema screen (flown on stage Line 12) with motorized cinema masking on screen

SOUND

Dolby CP45 cinema processor with TOA & QSC Amplifiers

3x JBL 4675C 2x 15" & horn (Centre, Left & Right), 1x JBL 4645K 1x 18" Sub all flown on stage Lines 14 & 15

8x Krix 10 Dual Cone surround speakers (4x per side)

PRODUCTION FACILITIES

GREENROOM

Tea / Coffee Facilities	YES
Fridge / Freezer	YES
Microwave	YES
Running Hot/Cold Water	YES

STAGE DOOR ACCESS

Stage Door is located beside the loading dock on Post Office Lane at street level.

VENUE PLANS

A range of PDF's, DWG's and VDX's are available from the Technical Team upon request.

CONTACT INFORMATION

VENUE

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