

Technical Specifications

Specifications for the
John Leslie Theatre
at **The Wedge Performing Arts Centre**
updated **February 2023**

Table of Contents

STAGE	2
ORCHESTRA LIFT/PIT	3
AUDITORIUM	3
DRAPERY	3
FLYING FACILITIES	4
ACCESS EQUIPMENT	4
LOADING DOCK	5
LIGHTING	5
STAGE LUMINAIRE	7
STAGE LUMINAIRE <i>CONTINUED</i>	8
PATCHING	8
AUDIO	9
AUDIO <i>CONTINUED</i>	10
AUDIO <i>CONTINUED</i>	12
AUDIO VISUAL	13
STAGING	13
COMMUNICATIONS	14
BACKSTAGE	15
ADDITIONAL FACILITIES	15
CONTACT	16

Technical Specifications

Stage

The **John Leslie Theatre** features an unraked stage with a proscenium arch and ¼ height fly tower. Sprung ply floor. No dedicated stage crossover.

Load Limits

Stage distributed load limit:	600kg per M²
Stage point load limit:	300kg
Stage rake:	nil

Stage Dimensions

proscenium width:	9.96 metres
proscenium height:	5.00 metres
setting line:	upstage side of proscenium
overhead obstructions:	nil
setting line to downstage edge of apron:	2.18 metres
setting line to downstage edge of orchestra lift/pit:	4.88 metres
setting line to first fly line:	0.70 metres
setting line to last upstage fly line:	7.65 metres
setting line to rear wall:	8.00 metres
centre line to opposite prompt wall (or obstruction):	10.90 metres
centre line to prompt wall (or obstruction):	8.00 metres
stage to underside of grid:	7.10 metres

Stage Traps

4 traps per side, 2 metres apart with the first 100mm from proscenium

Safety Curtain

Safety curtain installed: **no**

Technical Specifications

Orchestra Lift/Pit

The orchestra can be lifted to form a stage thrust, dropped to use the orchestra pit, or set level with the auditorium to install two additional rows of auditorium seating.

Lift Details

stage level:	940mm above auditorium
orchestra pit level:	1100mm below auditorium
lift can be set at any height:	YES
Safe Work Load of orchestra lift:	Exceeds stage rating

Orchestra Pit (usable area)

width:	10.00 metres
side radius:	0.88 metres
front radius:	2.70 metres
capacity:	16 to 20 persons

Auditorium

Raked seating fanning from 10 seats in front row (AA) to 39 seats in the back row (N).

Seating Capacity

seating capacity with orchestra lift/pit installed:	366
seating capacity without orchestra lift/pit installed:	384

Drapery

Type	Material	Colour	Width	Height	Quantity
House Curtain	velvet	red			1
Borders	wool	black	14.0 metres	1.5 metres	4
Legs	wool	black	3.0 metres	6.5 metres	4 pairs
Tabs / Smother	wool	black	6.0 metres	6.5 metres	2 pairs
Cyclorama		white	12.0 metres	6.0 metres	1

Technical Specifications

Flying Facilities

Fly system is ¼ height with a combination of hand winch and electric chain motor driven bars.

Fly System Details

operating position:	prompt side stage level
total number of lines:	20 usable bars
panorama lines:	0
batten drift:	7.2 metres
batten type:	50mm outside diameter pipe
batten length:	12.5 metres
batten extensions:	N/A
batten pick-ups:	5 (1 at centre, then 3 metre intervals)
batten point load:	50kg
batten work load limit:	300kg
cradle capacity:	N/A
LX bars can be swung:	yes (subject to negotiation)
cradle capacity:	yes

All flown items must be rigged with rated equipment and are subject to approval by a venue representative. All rigging is to be supplied by touring company.

Access Equipment

Elevated Work Platform

make:	JLG Axxessor Driveable Single Person
model:	20 DVL
maximum reach:	5.94 metres

Ladders

Fibreglass A Frame 2.40 metres
Fibreglass A Frame 3.60 metres
Aluminium Extension 5.21 metres
Aluminium Extension 7.26 metres

Technical Specifications

Loading Dock

access:	via carpark off Raymond Street trucks can reverse up to loading dock
door height:	2.8 metres
door width:	2.8 metres

Lighting

Distances are to the highest downstage point of boom or perch

Stage LX Bars

See hanging plot for standard LX bar locations.
Bars can be swung from standard position

FOH Bridge

setting line to lighting bar:	9.5 metres
usable bar width:	14.0 metres
access:	via control room stairs only

FOH Perches (PS & OP)

setting line to FOH perch:	5.8 metres
maximum lanterns per perch:	4
access:	Restricted access via ladder

FOH Booms (PS & OP)

setting line to FOH perch:	10.0 metres
maximum lanterns per boom:	4
access:	Restricted access via ladder

Technical Specifications

Lighting Control

lighting desk:	ETC Gio v2
control channels:	4096
signal output:	DMX
signal distribution:	4 streams Via Response 4 port gateway, 2 direct out from console
streams	
remote riggers available onstage:	yes (iOS app on in-house iPad)

Dimmer Racks

total dimmers:	144 fixed position +2X12 portable
dimmer locations:	upstairs near FOH Bridge access
2.4KW dimmer racks:	LSC red black
total dimmers @ 2.4KW:	144 +24
5KW dimmer racks:	N/A
total dimmers @ 5KW:	0

House Lights

independent control:	yes
control positions:	control room, auditorium, DS PS
fade time adjustable:	no

Power

3 phase outlets:	1 US PS 40A
	1 DS OP 40A
	1 US OP 40A

Cabling

Venue has a good stock of various lengths to accommodate most designs
3 phase extensions **40A 6 metres**

Technical Specifications

Stage Luminaire

Profiles

Make	Model	Angle	Detail	Watt	Total
Chauvet	Reve E-3	15° to 30°		355	19
Chauvet	Reve E-3	25° to 50°	S4 Lens tubes	355	13
ETC	S4	25° to 50°		750	1
ETC	S4	15° to 30°		750	6
ETC	S4	26°		750	6

Fresnels

Make	Model	Detail	Watt	Total
Strand	Cantata LED FC	10° to 55° with barndoors	250	19

Par Cans

Make	Model	Angle	Detail	Watt	Total
ShowPro	FusionPar QXII	24°	IP65	105	18
Showline	SL Par 155 Zoom	8° to 40°	Manual Zoom	150	12

Cyc Wash

Make	Model	Detail	Watt	Total
Chauvet	Ovation C-640FC	RGBWA Two row fixtures separate colours to top and bottom	175	12

Technical Specifications

Stage Luminaire *continued*

Intelligent Fixtures

Make	Model	Detail	Watt	Total
Clay Paky	Axcor 300 spot	Spot	220	4

Follow Spots

Make	Model	Angle	Detail	Watt	Total
Robert Juliette	Alice	13° to 24°	Cool White LED	600	2

Patching

Location	Quantity	Numbering (PS to OP)	Detail
FOH	18 +12	18-1, 30-19	GPOs available
LX Bars	16		16 per LX bar + hot
Various			DMX points available throughout venue

Technical Specifications

Audio

Control Positions

control room: **above back row in dedicated room (no glass)**
 auditorium: **centre of rows M and N (recommended for live music)**
 other: **DS PS patched into house system**

Control & Amplification

primary mixer: **Allen and Heath d-Live S5000 & S3000 Surfaces with DM-48 Mixrack. 48 in, 24 out DX168-16 in 8 out expansion**
 amplifiers: **Crown XTi 6002**

Speakers

FOH speakers: **JBL VRX loudspeaker system
 Crown XTi6002 amps
 4 x JBLVRX932LA with VRX918S sub per side
 4 x JBLVRX928LA with VRX915S sub centre**
 Foldback: **7 x QSC K12 powered wedges
 1 x QSC KW153 powered unit (drum fill)**
 Side Fill: **4 X RCF ART310a (Fixed mount overhead)**

Input

Item	Make	Model	Detail	Total
DI	Peak	PDI-401	DI Box Active	7
DI	Radial	JDI	DI Box Passive	3
DI	Klark Technik	DN200	Stereo DI Box Active	2

Playback

Item	Make	Model	Detail	Total
DVD player			Rack mounted in bio	2
Qlab			By arrangement	1

Technical Specifications

Audio continued

Microphones—Wired

Make	Model	Detail	Use	Total
Shure	SM58		vocals	4
Shure	Beta SM58		vocals	3
Shure	SM57		instruments	6
Shure	Beta SM57		instruments	2
Shure	Beta 91a		instruments	1
Shure	PG56		Snare/Toms	3
Sennheiser	E945		vocals	3
Sennheiser	E835		vocals	4
Sennheiser	E835S	Switched	vocals	1
Sennheiser	E912	plate mic	instrument boundary	3
Sennheiser	P48	shot gun	instrument boundary	2
Sennheiser	E902		bass drum	1
Sennheiser	E904		drum	3
Sennheiser	E906		guitar cab	2
Sennheiser	E912	plate/boundary		3
Rode	M5	cardioid/omni condenser		4
Rode	NT-55	cardioid condenser—hanging	choir	2
Audio Technica	U853a	cardioid condenser--hanging	choir	3
DPA D:vote	4099 Red)		Instrument	4

Microphones—Radio

Up to 8 radio mic channels are available in any combination of the below equipment

Make	Model	Detail	Use	Total
Sennheiser	G3 EW500	TX/RX	band	5
Sennheiser	G3 EW100	TX/RX	band	1
Sennheiser	G4 E945	Handheld + RX	vocals	2
Sennheiser	E945	handheld	vocals	6
Rode	HS2	Headset (5 pink 3 black)	vocals	8
Rode	Link Lav	On Headset wire	Vocals	5
DPA	4080	miniature cardioid	lavalier	1

THE WEDGE

PERFORMING ARTS CENTRE

Technical Specifications

Technical Specifications

Audio *continued*

Microphone stands

Base	Rod	Total
round base	straight stand	6
boom arm	tall	12
boom arm	Medium	8
boom arm	short/kick drum	1

Line patching

Location	Detail	Quantity
Digital patch DM-48	direct to mix rack	48-24
DS PS	patch to control	24 3
DS OP	back to DS PS	6
Trap DS PS	to DS OP – DM-48 rack	6 + 2
Trap DS C	to DS OP – DM-48 rack	6 + 2
Trap DS OP	to DS OP – DM-48 rack	6 + 2
Trap US PS	to DS OP – DM-48 rack	12 + 4
Trap US OP	to DS OP – DM-48 rack	12 + 4

Cabling

The theatre has a good stock of cable to accommodate the venue's equipment.

Multicore

1 20m 12 sends, 4 returns. Stage box to tails.

1 15m 8 sends. Stage box to tails.

1 DX168 expansion for dLive 16 sends 8 returns via cat5

Technical Specifications

Audio Visual

Projectors

Type	Model	Detail	Total
Main auditorium	Epson	Set focus to electric screen DSC	1
Short throw	BenQ	Rigged from flown bars Can be mounted to any fly bar on 1.5m cradle	1

AV Playback Equipment

Type	Model	Detail	Total
QLab/Computer		Available or BYOD	
Blu-Ray/DVD player		HDMI inputs	

Cabling

The theatre has a good stock of cable to accommodate the venue's equipment.

Staging

Rostra

Leg heights available are 300mm, 450mm and 600mm. Step treads available

Size	Number	Notes
1m x 1m	8	
1m x 2m	6	

Technical Specifications

Communications

Stage Manager's Desk

Stage manager's desk is located in prompt corner. The desk can be moved within this area and is fitted with a light and phone.

Talkback

master unit:	located at SM desk
total sub stations:	8 belt packs
total headsets:	8
radio units in-house:	3
talkback patching located at:	Control Room
	DS PS (SM desk)
	DS OP
	US PS
	US OP

Paging/Show Relay

Controlled from SM desk. All rooms have adjustable volume control.

Stage Monitor

Camera located in control room window. Screens located at SM desk, DS OP and dressing room corridor.

Q Light System

in-house Q Light system available: **No**

Technical Specifications

Backstage

Dressing Rooms

Room	Capacity	Details
1 and 2	2	Toilets and showers in corridor
3 and 4	6	Toilets and showers in corridor
5 and 6	12	Can be opened into one large chorus room
Chorus	20	

Laundry/Wardrobe

washing machines: **N/A**
 dryers: **N/A**
 drying rooms: **N/A**
 iron and ironing board: **1**
 clothes racks: **1 in each dressing room plus spares**

Greenroom

tea and coffee making facilities: **yes**
 fridge and freezer: **yes**
 microwave: **yes**
 running water: **yes**

Stage Door

Located next to the loading dock. Access from the carpark off Raymond Street.

Additional Facilities

piano: **Shigeru Kawai SK7 Grand Piano**
 rehearsal space: **N/A**
 hazer: **2x Unique 2.1Hazer – DMX controllable**

Duty Technician required while touring cast or crew are inside venue; minimum breaks must be accommodated.

Technical Specifications

Contact

Venue: 03 5143 3200
Email: box.office@wellington.vic.gov.au
Website: thewedge.com.au

Coordinator, Theatre Operations: Rowan Churchill
Phone: 0436 942 540
Email: rowanc@wellington.vic.gov.au