



**CIVIC THEATRE  
WAGGA WAGGA**

# **TECHNICAL SPECIFICATIONS**



**Wagga Wagga Civic Theatre**

Street Address: Burns Way (off Tarcutta Street), Wagga Wagga, NSW 2650

Postal Address: P.O. Box 20, Wagga Wagga, NSW 2650

Phone Number: (02) 6926 9688

Website: [www.civictheatre.com.au](http://www.civictheatre.com.au)

*The information contained in this document is given in good faith and is believed to be correct. All measurements are approximate and should be checked on site. Please note all Information is subject to change.*

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## Venue Information

Located in the centre of the city on the banks of the Wollundry Lagoon, the Wagga Wagga Civic Theatre is a focus of cultural activities within the community. The theatre attracts a great variety of National and International Touring shows as well as many local events.

The venue operates a 491 seat theatre space and has two foyer spaces. After refurbishment in 2018 it's the perfect contemporary space for theatre functions, product launches, presentations, meetings and cocktail functions.

The Theatre runs its own Box Office which provides a comprehensive ticketing facility for all Civic Theatre performances as well as local shows and events.

A core team of six people run the Theatre, which is owned and operated by council. There are a number of casual staff who work in the Technical and Front of House areas.

The Amphitheatre and open spaces surrounding the Civic Theatre provide a great area for a variety of outdoor events such as community markets, concerts, weddings, fundraising events and corporate functions.

The Civic Theatre is situated in the heart of the city within picturesque gardens and across the road from the Murrumbidgee River. It is within walking distance to a wide variety of restaurants, cafes, supermarkets, accommodation, pubs and great shopping.



All Photographs by Michael Frogley

## Venue Plans

### Venue Plans Available

- Floor Plan
- Standard Rig

\*Venue Section not available

## Auditorium

### Description

The auditorium consists of stalls only. The floor has a slight rake in rows A – I with rows J – S being tiered. The seating was replaced in 2018 giving the venue a comfortable, cosy feel.

### Seating Capacity

Standard Seating	<b>491</b>
With Orchestra Pit	<b>457</b>

## Stage

### Description

Flat floored stage with proscenium arch and apron. Pine tongue and groove floorboards overlaid with yellow tongue custom wood and surfaced with tempered masonite, painted matt black. Screwing into surface is permitted, but large holes to be authorised by the Technical and Production Coordinator. Wing space limited, access to stage via PS and OP via rear corridor crossover.

Stage distributed load limit	<b>750kg/m<sup>2</sup> (7.5Kpa)</b>
Stage point load limit	<b>450kg (4.5kN)</b>
Stage rake	<b>No</b>

### Stage Dimensions

#### Proscenium

Width	<b>9070mm</b>
Height	<b>4950mm</b>

#### Setting Line

The rear of the proscenium arch is considered the setting line.

Please be advised that the theatre has an apron 3930mm deep in front of the setting line.

*NOTE: Apron cannot be adjusted to auditorium level and has a reduced distributed load limit of 4Kpa and 2.5kN point load limit.*

#### Distances (SL = Setting Line, CL = Centre Line)

SL to DS edge of apron	<b>3930mm</b>
SL to DS edge of orchestra pit	<b>6310mm</b>
SL to first fly line	<b>190mm</b>
SL to last upstage fly line	<b>8600mm</b>
SL to rear wall	<b>9660mm</b>
CL to OP wall (or obstruction)	<b>8905mm</b>
CL to PS wall (or obstruction)	<b>8535mm</b>
Stage to underside of grid	<b>11880mm</b>
Floor to sprinkler heads in PS wings	<b>4440mm</b>

#### Panorama Bars

Height	<b>5500mm</b>
Distance from proscenium to PS	<b>2600mm</b>
Distance from proscenium to OP	<b>2550mm</b>

## Access and Parking

### Loading Dock

Loading dock access is located on the corner of Tarcutta Street and Burns Way.

Loading dock height	<b>1200mm</b>
Door dimensions	<b>3370mm</b> ↔
	<b>3650mm</b> ↑↓
	<b>4830mm</b> ↗

### Stage Access

Please note the loading dock doors are larger than the doors from the dock onto stage

Stage access door dimensions:	<b>1930mm</b> ↔
	<b>3650mm</b> ↑↓
	<b>4150mm</b> ↗

### Parking

Touring vehicles can remain in the loading dock for the duration of their hire period.

There is ample unrestricted public parking across the road from the theatre.

Car parks are located in Cross Street, entry via Cross Street and at the corner of Morrow and O'Reilly Streets, entry via O'Reilly Street.

### Stage Door

Stage door is located at the rear of the building near the corner of Tarcutta and Morrow Streets.

Access through stage door is only available during agreed access times. All staff and artists are to enter and exit the venue via stage door.

## Accessibility

### Front of House

At the Wagga Wagga Civic Theatre we are committed to achieving equal access to great theatre for all of our performers and patrons. A number of seats and positions in the Civic Theatre are held for patrons in wheelchairs or with mobility concerns.

A dedicated hearing loop operates within the Theatre for patrons with hearing impairments. Patrons with hearing difficulties can utilise this function by switching their hearing aid to the T switch.

There are accessible parking spaces right outside the theatre doors.

### Backstage

There is a wheelchair lift to access stage level, and an accessible dressing room with toilet backstage. Company members who require lift access to stage level need to enter via the lower foyer.



## Staging

### Flying Facilities

#### Fly System Details

Fly System	<b>Single purchase counterweight fly system</b>
Operating Position	<b>PS @ Stage level</b>
Total number of Lines	<b>27</b>
Panorama Lines	<b>Fixed panorama bars PS and OP (5500mm above stage)</b>
Batten Drift	<b>9390mm</b>
Batten Type	<b>50 x 75mm RHS</b>
Batten Length	<b>12000mm</b>
Batten Extensions	<b>NO</b>
Batten Pick-ups	<b>4160mm either side of C and C</b>
Cradle Capacity	<b>300kg</b>
Lighting Bar Capacity	<b>150kg approx.</b>
LX bars can be swung	<b>NO</b>
Fly bars can be swung	<b>NO</b>

*SEE HANGING PLOT FOR LINE ALLOCATIONS AND FURTHER INFORMATION*

#### Flying Notes

- o All flown items must be rigged with rated equipment and is subject to approval by a venue representative
- o Only qualified riggers are permitted to reweigh lines
- o Only venue technicians are permitted to fly lines
- o Access to the fly gallery is from PS of stage

### Orchestra Pit

The orchestra pit is covered with fixed floor sections that require four crew to remove. Please consider this in your production schedule if required.

Stage level above auditorium floor	<b>900mm</b>
Pit level below auditorium floor	<b>1290mm</b>
Pit dimensions	<b>10,000mm x 2370 mm usable area</b>
Orchestra pit maximum capacity	<b>25 musicians</b>

### Drapery

Item	Material	Colour	Width (mm)	Height (mm)	Quantity
House Curtain	IFR Velvet	Red	7500	6000	1 pair
Borders	50% Fullness IFR Wool	Black	14000	2000	4
Legs	50% Fullness IFR Wool	Black	4500	6000	8
Traveller	50% Fullness IFR Wool	Black	7000	6000	1 pair
Cyclorama	Filled Cloth	White	12000	6000	1
Smother	IFR Wool	Black	12000	6000	1
Scrim	Sharks tooth gauze	Black	12000	6000	1

## Hanging Plot

Line #	Distance from SL (mm)	Venue Allocation	Intended Use (hiring company use)	Approx Bar Weight
1	190	<b>HOUSE CURTAIN</b>		
2	490		<i>*not suitable for lighting</i>	
3				
4	890	<b>LX 1</b>		
5				
6	1190	<b>LEGS 1</b>		
7	1690			
8	1890			
9	2090			
10				
11	2490	<b>BORDER</b>		
12	2690	<b>LEGS 2</b>		
13	3390	<b>LX 2</b>		
14	3590			
15	3790			
16	3940	<b>BORDER</b>		
17	4140			
18	4340	<b>LEGS 3</b>		
19	4540	<b>TRAVELLER</b>		
20	4840			
21	5040	<b>BORDER</b>		
22	5240			
23				
24	5640	<b>LX 3</b>		
25				
26	6040	<b>LEGS 4</b>		
27	6940			
28	7090			
29				
30	7490	<b>BORDER</b>		
31	7840	<b>LX 4 (CODAS)</b>		
32	8090	<b>SMOTHER</b>		
33				
34	8490	<b>CYCLORAMA</b>		

SL: Setting Line as indicated previously

NOTE: Line 2 proximity to house curtain and drenching system makes it unsuitable for lighting purposes

## Access Equipment

### Elevated Work Platform

Genie GR-20 - maximum reach is **6.1m**

### EWP Restrictions

Only one person to be in the basket at any one time

Lifter must not be driven over thrust of stage

### Ladders

2 x 2400mm fibreglass A-frame ladder

1 x 8780mm fibreglass extension ladder

## Staging Equipment

10 x Prolyte staging pieces 1000mm x 2000mm

2 x Prolyte staging pieces 1000mm x 1000mm

Legs available for 300mm and 600mm

## Orchestral and Band Equipment

4 x music stands

10 x sconces

20 x armless chairs with backrest

Yamaha adjustable piano stool

Yamaha piano seat

Yamaha CF 9 foot concert grand piano tuned to A440

## Safety Curtain

Safety Curtain installed

**No**

- House curtain is used with the sprinkler system to create a water curtain
- House curtain must remain unobstructed at all times
- House curtain must remain in the down position whilst venue not in use

Thickness of curtain

**5mm**

Distance from setting line

**190mm**





## Lighting

### Positions

#### FOH Bridge

**NOTE: Lanterns for FOH Standard rig cannot be relocated**

- Distance to SL **12650mm 30°**
- Usable bar width **10000mm**

#### Orchestra Bar

- Distance to SL **8005mm 50°**
- Usable bar width **9000mm**

#### Lx 1

- Distance to SL **6000mm 80°**
- Usable bar width **12000mm**

#### Lx 2

- Distance to SL **6870mm 60°**
- Usable bar width **12000mm**

#### Lx 3

- Distance to SL **8230mm 45°**
- Usable bar width **12000mm**

#### Lx 4

**NOTE: this is not a dedicated lighting bar and is wired with Weiland looms**

- Distance to SL **9500mm 40°**
- Usable bar width **12000mm**

#### Perch 1 (PS & OP)

*Distances are to the highest downstage point of perch*

- Distance to SL **15500mm 15°**
- Maximum lanterns per perch **Maximum 4 lanterns**
- Usable bar length **2100mm**

#### Perch 2 (PS & OP)

*Distances are to the highest downstage point of perch*

- Distance to SL **11000mm 23°**
- Maximum lanterns per perch **Maximum 3 lanterns**
- Usable bar length **2100mm**

#### Perch 3 (PS & OP)

*Distances are to the highest downstage point of perch*

- Distance to SL **7300mm 40°**
- Maximum lanterns per perch **Maximum 3 lanterns**
- Usable bar length **2600mm**

### Control

Control positions	Standard position rear auditorium, bio box
Lighting desk	<b>ETC Ion 1000 with 2x 20 Fader wings</b>
Control channels	<b>1024 / 2 Universes</b>
Signal output	<b>DMX into Enttec D-Split</b>
Signal distribution	<b>3 Streams</b>
○ 1: Dimmer Room, FOH & Orchestra Bridges, 2: On Stage Lx Bars, PS and OP Stage, 3: HLX	
Remote available onstage	<b>Yes – iPad RFR</b>

# TECHNICAL SPECIFICATIONS

## Dimmer Racks

Total dimmers	<b>112 x 10amp</b> Bytecraft Solutions 28
	<b>28 x 20amp</b> Bytecraft Solutions 28
Dimmer locations	<b>PS Gallery above the Stage Managers Console</b>

## House Lights

Fixed DMX channels	<b>145 through 153</b>
Independent control	<b>Yes, upon request</b>
Control positions	<b>Bio box, Stage Managers desk</b>
Fade time adjustable	<b>Yes – if used through the lighting desk</b>

## Stage Luminaire

### Profiles

Make	Model	Watt	Total	Barrel	Total	Accessories
Selecon	Pacific 1k	1000	48	12/28	33	Gel Frame
Selecon	Pacific 80 v <i>NOTE: Bases cannot be moved from FOH bridge</i>	1200 80v	16	14/35	20	Gel Frame
				23/50	10	Gel Frame
ETC	S4 LED series 2 Lustr	170	12	15/30	12	Gel frame

### Fresnels

Make	Model	Detail / Accessories	Watt	Total
Selecon	Rama 6'	Barn doors / gel frames	1000	<b>46</b>
Selecon	LED Rama 6'	Barn doors / gel frames	120	<b>9</b>

### Par Cans

Make	Model	Detail / Accessories	Watt	Total
ETC	Multipar	gel frames / 3 lens available	575	<b>19</b>

### Cyc / Flood

Make	Model	Detail / Accessories	Watt	Total
Selecon	PL1 Cyc MKII	LED Cyc unit	120	<b>8</b>

### Followspots

Make	Model	Detail / Accessories	Watt	Total
Robert Juliat	Topaz MSD	6 colour magazine cold strike laser sights	1200	<b>2</b>

### Additional Lighting

Item	Make	Model	Detail / Accessories	Watt	Total
Mirror Ball			20in mirror ball with motor		<b>1</b>
Strobe			DMX controlled – can be addressed 256 - 512	1500w	<b>1</b>
Hazer	Look Solutions	Unique 2	DMX / standalone		<b>1</b>
Smoke Machine	Look Solutions	Unique 2	DMX / standalone		<b>1</b>

## Accessories

Item	Size	Detail	Total
Pacific gobo holders	A		10
Pacific gobo holders	B		10
Pacific iris			10
Selection of gobos	B	Various Rosco, DHA and Lee	20

## Patching

Location	QTY	Numbering (PS to OP)	Detail
FOH bridge	22	22 - 1	Patches 2, 8, 15, 21 - 20amp
Orchestra bridge	22	44 - 23	Patches 24, 29, 37, 43 - 20amp
Lx 1	24	200 - 223	Patches 200, 209, 214, 223 - 20amp
Lx 2	24	224 - 247	Patches 224, 233, 238, 247 - 20amp
Lx 3	24	248 - 271	Patches 248, 257, 262, 271 - 20amp
PS DS floor trap	4	99 - 101	
PS US floor trap	3	185 - 187	All patches are 20amp
OP floor trap	4	96 - 98	
PS onstage boom	4	92 - 95	Bottom to top
OP onstage boom	4	84 - 87	Bottom to top
PS rear of proscenium	4	88 - 91	
OP rear of proscenium	4	80 - 83	
PS forestage boom	5	75 - 79	Bottom to top
OP forestage boom	5	70 - 74	Bottom to top
PS orch bridge boom	5	65 - 69	Bottom to top
OP orch bridge boom	5	60 - 64	Bottom to top
PS FOH bridge boom	5	55 - 59	Bottom to top
OP FOH bridge boom	5	50 - 54	Bottom to top
PS DS gantry	11	125 - 136	
PS MS gantry	11	140 - 151	
PS US gantry	7	155 - 161	Patches 159, 160, 161 - 20amp

## Power

### 3 Phase Outlets

- 1 x 40amp PS on proscenium wall stage level
- 1 x 40amp OP on proscenium wall stage level
- 2 x 40amp FOH bridge
- 2 x 40amp orchestra bridge
- 4 x 32amp dimmer room
- 1 x 20amp loading dock

## Cabling

### 240v Extension Cables

The theatre has a good stock of extension leads to accommodate the venue's standard lighting rig and variations to it. Any additional equipment will require additional cable stock to be sourced

### Looms

- 2 x 20m 4 - way Wielands
- 4 x 30m 6 - way Wielands

## Audio

### Control Positions

<b>Auditorium</b>	Standard position
<b>Side of Stage</b>	Either PS or OP, mixer to be patched through main console

### Control & Amplification

#### Primary Mixer

- Avid Venue Mixrack System
 

Input	48 x XLR	16 x TRS
Output	16 x XLR	16 x TRS

#### Secondary Mixers

- Yamaha MG12/4, 12 channel, 2 stereo inputs, 2 aux sends, phantom power
- Soundcraft Si Expression 1, 16 channel, plus 4 line inputs, 4 internal stereo FX returns, AES in, and a 64x64 expansion slot

#### FOH PA System

- Turbo Sound FLEX Array
 

10 x TCS 1061	Mid/Hi	(flown, 5 per side)
2 x TCS B218	Subwoofer	(flown, 1 per side)
4 x TCX-8	Fill	(front fill, mounted in stage)
- FOH speakers rigged in fixed positions therefore **cannot** be moved

#### Foldback Speakers

- 8 x TXD12M Turbo Sound
- 4 x JBL SRX 712M
- 2 x JBL Eon 615

#### System Drive

- 3 x Lab Gruppen PLM10000Q (FOH AES or Analogue Input)

#### Foldback Amplifiers

- Lab Gruppen FP+6000Q 6000w
- QSC PLX3602, 2 C
- 2 x QSC PLX3102, 2 Ch
- 2 x QSC PLX1802, 2 Ch

#### EQ / Limiter

- DBX 2231 graphic equalisers dual 32 band

#### FX

- Yamaha SPX 990

### Cabling

#### Multicore

- 1 x 75m tour grade drum mounted STP Cat5e network cable reel
- 1 x 20m Jands stage box 12 lines, 8 sends, 4 returns
- 1 x 8-way 15m stage drop box
- 2 x 12-way 15m stage drop box
- 1 x 45m stage box 40 lines, 32 sends, 8 returns

# TECHNICAL SPECIFICATIONS

## Playback

Item	Make	Model	Detail	Total
CD Player	HBB	Burnit Plus	Dual CD player with recording capabilities	1
CD Player	Denon	DN-D4500	Dual CD player	1
CD Player	Denon	2500D	Dual CD player	1

## Microphones

Make	Model	Detail / Accessories	Use	Total
Shure	Beta 58	Microphone Clip	Vocal dynamic	10
Shure	Beta 57A	Microphone Clip	Instrument	3
Shure	SM57	Microphone Clip	Vocal	5
Shure	MX391	Microphone Clip	Super cardioid boundary	6
Shure	SM86	Microphone Clip	Vocal Condenser	2
Shure	SM58	Microphone Clip	Vocal	4
Shure	MX202B/C		Overhead chorus	6
Shure	Beta 52A		Kick drum	2
Shure	Beta 56A		Instrument	3
AT	5100	Microphone Clip	Cardioid condenser	6
AKG	C451B	Microphone Clip	Cardioid condenser	2
Shure	UXLD System	UXLD2/Beta58 Q Audio D12DE Single Ear worn Microphone	Wireless microphone	6

## Accessories

Item	Model	Detail / Accessories	Total
DI	Connect EDB1		7
DI	Whirlwind EDB1		2
DI	Klark Teknik DN100		8
Microphone stand	K&M – tripod base	With boom arm	18
Microphone stand	K & M 259	Short With Boom Arm	10
Microphone stand	K&M – tripod base	Short stand	3
Microphone stand	Round base	Straight stand	6
Microphone stand	Round base	Table stands	2
Speaker Stands	K & M 21435	Covers	4
Speaker Stands	Tripod base		2
Music Stand Light	Various	LED battery	4

## Line Patching

Location	Quantity	Numbering	Detail
PS behind proscenium	16	1-12 A,B,C,D	12 sends, 4 returns
OP behind proscenium	16	13 – 24 E,F,G,H	12 sends, 4 returns
Orchestra pit	39	25- 60 I,J,K,L	35 sends, 4 returns

## Speaker Patching Powered

Location	Quantity	Numbering	Detail
PS	4		2 sends, 1 return - all speakon
OP	4		2 sends, 1 return - all speakon

## Audio Visual

### Projectors

- 1 x NEC PA803ULG 8000 Lumens, NEC NP40ZL Short throw lens
- 1 x Epson EB- 1965 LCD 5000 Lumens

### Projection Surfaces

- Draper Cinefold truss front or rear projection
- Size: 2740mm x 4880mm
- HDTV format 16:9 Ratio
- Cyclorama front projection, usable space W 9000mm x H 4950mm

### Rigging

- Please contact Technical Production Coordinator to discuss rigging options

### Cabling

- VGA
- HDMI

### Control Position

- UTP extenders allow operation from stage, off stage or auditorium control position

## Backstage

### Communications

#### Stage Managers Desk

- Prompt corner; fitted with a light, talkback, paging and TV monitor

#### Talkback

- ClearCom party line system
- 9 x belt packs with headsets

#### Patching

- SM desk [master unit]
- Control position
- FOH bridge
- Orchestra bridge
- OP stage
- Fly rail
- Orchestra pit
- Bio box

#### Paging / Show relay

- Paging to the dressing rooms is from the Stage Managers desk
- Show relay is distributed to all dressing rooms. Each room has individual volume control

### Laundry / Wardrobe

Washing Machines	<b>1 Speed Queen</b>
Dryers	<b>1 Speed Queen</b>
Drying rooms	<b>N/A</b>
Iron / ironing board	<b>2 irons, 2 ironing boards</b>
Other Equipment	<b>Steamer, press, 3 portable racks, washing baskets</b>

## Green Room

The Green Room is set with 2 couches and a coffee table, access to wifi and a stage view monitor. There is a fridge/freezer and microwave. There are dish washing facilities, crockery and cutlery provided. Tea/coffee making facilities are provided for all hirers. Green Room to be left clean and tidy upon departure.

## Dressing Rooms

Room	Capacity	Details
Dressing Rm #1	1	Separate key for lock on door if required lounge chair
Dressing Rm #2	1	Accessible dressing room including accessible toilet
Dressing Rm #3	4 - 6	2 lounge chairs
Dressing Rm #4	10 - 15	
Dressing Rm # 5	4 - 6	
Dressing Rm #6	4 - 6	
Rehearsal Room	15 – 20	Couches, bar fridge

Please note that only Dressing Rooms 1 and 4 have a toilet within the room.  
 All dressing rooms have wash basins, mirrors and lighting, wall heaters and fans.  
 Toilet and shower facilities are located within the shared stage level and upper level bathrooms.

## Production Facilities

### Production Desk

- o Available upon request to Technical and Production Coordinator

### Production Office

- o No

### Internet Access

- o Wireless network backstage
- o Wired internet access available on request

## Risk Management

We require a comprehensive risk assessment to be completed during pre-production for all shows and events. The Risk Assessment needs to consider the risks associated with your specific event. It should be delivered to the Technical and Production Coordinator at least thirty days before the event.



## Venue Contacts

### Venue Manager

Phone

Email

### Carissa Campbell

(02) 6926 9680

[campbell.carissa@wagga.nsw.gov.au](mailto:campbell.carissa@wagga.nsw.gov.au)

### Technical & Production

Phone

Email

### Lea Collins

(02) 6926 9681

[collins.lea@wagga.nsw.gov.au](mailto:collins.lea@wagga.nsw.gov.au)

### Venue Coordinator

Phone

Email

### Roxanne Smith

(02) 6926 9684

[smith.roxanne@wagga.nsw.gov.au](mailto:smith.roxanne@wagga.nsw.gov.au)

### Box Office

Phone

Email

### Isobel MacCallum

(02) 6926 9682

[boxoffice@wagga.nsw.gov.au](mailto:boxoffice@wagga.nsw.gov.au)

