



## **Technical Specifications**

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## **STAGE**

### **Brief Stage Description:**

Unraked stage with a proscenium arch and limited flying facilities. Plywood floor covered with Masonite sheets. Screwing into surface permitted but larger holes to be authorised by Theatre Director. Stage crossover behind US fly line.

Stage distributed load limit    Distributed load = 750kg/m<sup>2</sup> (7.5Kpa)

Stage point load limit        Point load = 450kg (4.5KN)

Stage rake                            **No**

### **Stage Dimensions:**

#### **Proscenium**

Width                            **10.6m**

Height                           **5.0m**

#### **Setting Line**

Rear of Proscenium Wall

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

SL to DS edge of apron            **1475**

SL to DS edge of Orchestra Lift/Pit **4525**

SL to first fly line                **900**

SL to last upstage fly line       **8400**

SL to rear wall                    **9400**

CL to OP wall (or obstruction)   **8000**

CL to PS wall (or obstruction)   **8000**

Stage to underside of grid beams **11700**

#### **Overhead obstructions**

PS Fly Gallery 7m

### **Auditorium:**

Single tier auditorium with a centre crossover aisle

Seating capacity                    **402**

Seating capacity with Operator's  
in the auditorium                    **386 to 394**

### **Orchestra Lift / Pit:**

#### **Orchestra Pit**

The Orchestra lift is a single Serapid lift.

The lift is not symmetrical, due to a floor obstruction at sub-stage level on PS. Rostra units are provided to make up the required floor levels on PS when the lift is at auditorium or stage levels

### Technical Specifications

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

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

SWL of orchestra lift **6000kg**

Dimensions of the orchestra pit **8m x 3m**

Orchestra pit maximum capacity **20 players**

#### Flying Facilities:

##### **Fly System**

Fly system consists of fixed motorised and manual winch lines. Manual winches (7) are legs and borders and motorised winches (9) are Lx bars and Scenery lines.

##### **Fly System Details**

Operating Position	<b>Motor Winches from DS OP, Manual Winches from OP side stage</b>
Total number of Lines	<b>16</b>
Batten Lines	<b>9</b>
Batten Drift	<b>10m</b>
Batten Type	<b>75x50 RHS steel batten</b>
Batten Length	<b>12m</b>
Batten Extensions	<b>N/A</b>
Batten Pick-ups	<b>5 pick ups, 1 at centre then 2 at 3m centres</b>
Batten Point Load	
Batten W.L.L.	<b>8 lines at 450kg, 1 at 200kg.</b>
Cradle Capacity	<b>N/A</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 INFO*

Technical Specifications

**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*

<b>Line #</b>	<b>Distance from SL</b>	<b>Line Type</b>	<b>W.L.L.</b>	<b>Venue Allocation</b>	<b>Intended Use <i>(hiring company use)</i></b>
	00	N/A	-	Fire Curtain Roller Mechanism	N/A
	200-300	N/A	-	Fire Drencher Pipe	N/A
1	450	Dead Hung	-	House Curtain (manual operation PS)	House Curtain - French Action
2	600	HW	350	False Proscenium Legs and Border	
3	900	MW	450	Lighting Bar #1	
4	2500	HW	350	Legs and Border #2	
5	2700	MW	450	Scenery Batten #1	
6	3150	MW	450	Lighting Bar #2	
7	3500	HW	350	Black Tabs #1 (manual operation PS)	
8	3800	MW	200	Scenery Batten #1A	<i>Note: lighter W.L.L.</i>
9	4500	HW	350	Legs and Border #3	
10	4700	MW	450	Scenery Batten #2	
11	5150	MW	450	Lighting Bar #3	
12	6500	HW	350	Legs and Border #4	
13	6700	MW	450	Scenery Batten #3	
14	7000	MW	450	Lighting Bar #4	
15	8000	HW	350	Black Tabs #2 (manual operation PS)	
16	8200	MW	450	Scenery Batten #4	
17	8400	HW	350	White Cyclorama	
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## Technical Specifications

### Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain	Velour 100% fullness	Gold	6500	6000	1
Borders	Velour flat	Black	11500	2000	1
Borders	Velour flat	Black	12000	2000	3
Legs	Velour flat	Black	1800	7000	1
Legs	Velour flat	Black	3000	4800	3
Tabs / Smother	Velour Tabs 75% fullness	Black	7000	7000	2
Cyclorama	Filled Cloth	White	12000	7000	1
Scrim		Black	12000	7000	1
Smother		Black	12000	7000	1

### Access Equipment:

#### **Elevated Work Platform**

Snorkel UL32

Maximum reach is **11m reach**

#### **EWP Restrictions**

Outriggers must be used at all times, one staff member to be located at base whilst in use

#### **Ladders**

4.5m step ladder

1.8m step ladder.

### Staging Units:

Roster 2.4m x 1.2m.

### Stage Covers:

**Style** N/A

**Dimensions** N/A

**Colour** N/A

### Stage Traps:

### Safety Curtain:

Safety Curtain installed **Yes**

Safety Curtain must be unobstructed at all times **Yes**

Thickness of Fire Curtain **Soft "Fire Shield" fabric**

Distance from setting line **50mm**

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

## Additional Requirements

### Loading Dock:

#### **Access**

Truck access via shopping Centre driveway. The Loading Dock is in the upstage wall of sub-stage on the OP side.

Loading Dock Height from road	<b>1000mm</b>
Door Dimensions	<b>2200mm high</b>
	<b>2400mm wide</b>

### **Restrictions / Obstructions**

Liaison with shopping centre deliveries

#### **NOTE:**

**Loading to the Stage is from the Loading Dock, through the sub-stage to the Orchestra Pit door, then up on the Orchestra Lift to Stage Level**

**Orchestra Pit Doors are 2000mm high and 2400mm wide.**

### Additional Rigging Notes

No Grid, only 5 support beams over stage at 3m centres

Forestage support beams (6) at 2.6m centres

### Staging Notes:

Stage masking curtains are hung on manual winches. Legs and Borders are hung on the same line

False Proscenium leg and border set at 5m high x 10.6m wide opening

Legs and Borders #2, 3 & 4 are set at 4.7m high x 10.0m wide opening

Legs have leg arms to provide masking of side stage

Fly gallery on PS side only, no other fly galleries, crossover or grid

## LIGHTING

### Positions:

#### **Stage LX Bars**

Fixed lighting bars (4) on motorised winches  
See hanging plot for standard LX bar locations

#### **Orchestra Bar**

Setting Line to lighting bar **N/A**  
Usable bar width **N/A**  
Notes Support beams available for temporary rigging

#### **FOH Bridge #1**

Setting Line to lighting bar **14m**  
Usable bar width **13m**  
Notes Access via Dimmer Room Level 2 PS

#### **FOH Bridge #2**

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

#### **Rear Wall Bar**

Setting Line to lighting bar **26m**  
Usable bar width **8m**  
Notes Lighting Bar on rear wall of theatre above Bio Box windows

#### **FOH Perches (PS & OP)**

Setting Line to FOH Perch **2.5m**  
**Side wall boom in line with forestage/pit with ladder access or EWP**

*Distances are to the highest downstage point of boom or perch.*

Maximum lanterns per perch **3 lanterns as standard rig / up to 6 lanterns**

#### **FOH Booms (PS & OP)**

Setting Line to FOH Boom **9.5m**  
**Side wall boom at auditorium crossover aisle with EWP access or ladder**

*Distances are to the highest downstage point of boom or perch.*

lanterns per boom **3 x ETC15/30 source 4 750w and 1 x LED e profile as standard rig**

### Control:

Lighting desk **ETC Ion 1000 with a 2 x 20 wing fader**  
**Or LSC Maxim XXL 60/120**  
**Or High End Road Hog 4. Note: Fee applies for Hog.**

Control channels **1024**

Signal output **DMX 2 universe**

*Technical Specifications*

Signal distribution **DMX patching (Jands DD8 x 2) in Lighting Control Room rack to all lighting outlet locations**

Remote riggers available onstage **Yes**

Dimmer Racks:

**Total Dimmers** **Jands wall mount dimmer racks and LSC non-dim switch rack**

**Dimmer Locations** **Dimmer Room is located on level 2 with access to FOH lighting catwalk and adjacent PS fly gallery. Dimmer Room has 3 phase 40 A outlets (15) adjacent to stage lighting Jands patch lead panels (4)**

2.4Kw Dimmer Racks **Jands WM12 (digital) x 6 plus LSC I-pro non-dim x 1**

Total dimmers @ 2.4kw per dimmer **72 + 12 non-dim**

5Kw Dimmer Racks **Jands WM6 (digital)**

Total dimmers @ 5kw per dimmer **12**

Total of all dimmers (2.4k + 5k) **84 + 12 non-dim**

**Additional** dimmer racks available

**LSC Teko 12 channel x 3 racks**

House Lights:

Independent control **Yes, non dmx**

Control positions **SMD, Bio Box**

Fade time adjustable **No - Dynalite programmable**

Stage Luminare:

**Profiles**

Make	Model	Angle	Detail / Accessories	Watt	Total
ETC	Source 4	25/50	Gobo holders	750	<b>16</b>
Selecon	Pacific	12/28	Gobo holders (B)	1000	<b>24</b>
Selecon	Pacific	5/13	Gobo holders (M)	1000	<b>4</b>
			Iris to suit all pacifics	na	<b>5</b>
ETC	Source 4	15/30	Gobo holders	750	<b>24</b>
			Iris to suit S4		<b>6</b>

**Fresnel's and PC**

Make	Model	Detail / Accessories	Watt	Total
Selecon Fresnels	Rama 150mm	Barndoors	1200	<b>24</b>
Selecon PC's	Rama 150mm	Barndoors	1200	<b>24</b>



*Technical Specifications*

**Par Cans**

Make	Model	Angle	Detail / Accessories	Watt	Total
Kupo	MultiPar	MFL	Spare Lens sets	575	<b>15</b>
			Wide,mfl,nfl,vnfl.		
	Par16 / birdie		Black		<b>8</b>

**CYC Wash**

Make	Model	Detail / Accessories	Watt	Total
Selecon	Aurora 4	4 cells per unit (linear)	1000	<b>5</b>

**Followspots**

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Pacific	7.5/19 deg	Non discharge	1200w	<b>4</b>

**Moving LED wash**

Make	Model	Control channels	Detail / Accessories	Watt	Total
Martin Rush	MH6	14	LED wash 3 or 5 pin		<b>16</b>

**LED wash**

Make	Model	Control channels	Detail / Accessories	Watt	Total
LED Quad 12	Show Technology	4 ch	DMX controlled, RGBW	8w	<b>15</b>

**Hazer.** *If available, Unique hazers and Jem smoke machines on request .*

Make	Model	Control channels	Detail / Accessories	Watt	Total
Antari	HZ 400				<b>1</b>

**Additional Lighting: fee applies**

Item	Make	Model	Detail / Accessories	Watt	Total
I Solutions	I Move 575SP	16	Discharge <b>profile</b> , 3 pin dmx	575	<b>8</b>
Star cloth		IL -06967	128 led RGB dmx and independent control. 6m x 4m		<b>3</b>
Lighting desk	High End	Road Hog 4	With wing fader.		<b>1</b>

Patching:

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
Dimmer Room			Full patch for all stage lighting circuits (280+)

Power:

**3 Phase Outlets**

200A touring Lighting Stage PS

63A touring Sound Stage PS

40A Fly Floor PS (2)

40A Stage US PS (1) OP (1)

Cabling:

**240v Extension Cable**

Yes

**Looms**

Lighting Bars fed with Socapex Multicore Looms

**3 phase Extensions**

Available

Lighting Notes:

Lighting Bars are Jands JLX with 24 x 10A outlets wired via Socapex looms to Fly Gallery PS then to Dimmer Room

Standard Rig will be in place - YES

On stage lighting bars cannot be swung.

4 x 40mm pipe booms 3m, on stage, adjustable heights, movable

## **AUDIO**

### **Control Positions:**

#### **Control Room**

Rear of auditorium - OP in Bio Box

#### **Auditorium**

Rear centre of Auditorium - last two rows.

#### **Other**

Centre Auditorium (by negotiation)

### **Control & Amplification:**

#### **Digital Mixer-**

Soundcraft Si 3,  
Analogue core to stage  
If available, Yamaha QL5 on request

#### **Analogue Mixer-**

Soundcraft GB series, GB4 or GB8, available on request

#### **Amplifiers**

N/A - powered speakers  
N/A

#### **Processor**

DBX 260

#### **EQ on request and available for analogue,**

DBX-1231 31 band graphic equalisers,

#### **FX on request and available for analogue,**

LEX-MX400XL 2 in/2 out for ana

#### **Compression / Limiter / Gates on request and available for analogue,**

DBX 1046 compression/Limiter 4 channel x 2  
DBX 1074 Quad gates 4 channel x 1

### **Speakers:**

#### **FOH Speakers**

Meyer UPQ-1P Left (1) & Right (1)  
Meyer UPJ-1P Centre (1)  
Meyer UP-Junior powered speakers (2)

#### **Foldback**

JBL PRX612M 12" 2way 1000w x 4  
JBL PRX615M 15" 2way 1000w x 1  
If available, more foldback is available on request,

Technical Specifications

Playback:

Item	Make	Model	Detail	Total
CD	Denon	DN360		1

Microphones: *if available, more microphones on request*

Make	Model	Detail / Accessories	Use	Total
Shure	Beta 58	Mic clips	Vocal	8
Shure	SM57	Mic clips	instruments	4
Shure	SM81	Mic clips	condensor	3
Shure	Beta 91a		Boundary, plate	1
Shure	Beta98a		Mini instrument	4
Shure	Beta 52	Beta 52	Drum	1
Superlux	Pro268b		Choir, etc	6
Shure	KSM27	Mic clip		1
Shure	ULXS12485	Radio Mic -hand held, or headworn or lapel & body pack	More available by request	2
Shure	202b		Overhead, hanging	6

Accessories:

Item	Model	Detail / Accessories	Total
Mic stands	K & M	Booms 2 tall, 8 medium 4 short	14
	K & M	Straight stand	6

Line Patching:

Location	Quantity	Numbering	Detail
All locations	200+		To Sound Control - send/return Patch available through venue

Cabling:

**Audio Cable**

Mic leads various lengths  
6 way stage box 15m x 5

**Multicore**

10m 16 core 12 send/4 return

**Audio Notes:**

FOH speakers rigged on dropper wires from box truss on chain hoists  
Lectern with Lectern mics available

**AUDIO VISUAL**

Projectors:

Type	Model	Detail / Accessories	Total
On request		Min 4300 lumens, or 6000 lumens	

Screens:

**Projection Screen**

Portable screen - on fly system  
 Screen dimensions 5.5m wide x 3.1m high

AV Playback Equipment:

Item	Model	Detail / Accessories	Total
Extron switcher	SW AV		1
Extron	VSC 500	Scans VGA to CV	1

**AV Playback Equipment additional: not standard Fee applies**

Item	Model	Detail / Accessories	Total
Edirol Vision mixer	V8	8 channel CV & VGA scanned to CV	1
Roland V8000		Hdmi,sdi,vga,cv inputs and outputs	1
QLab vision playback			1
Denon DVD player	1910		1

Projector Rigging Points:

Lighting catwalk in centre of auditorium and LX #1 onstage.

Cabling:

Patch wiring from Control Room to lighting catwalk for projector and from LX #1 onstage to PS. Technical Ethernet throughout technical areas

## **BACKSTAGE**

### Communications:

#### **Stage Managers Desk**

Prompt Corner - PA People standard Stage Manager Desk with clock, headsets, paging, lights, etc

#### **Talkback**

Master Unit                      **Clearcom with 2 loops**

Total sub stations            **8 Clearcom beltpacks**

Total headsets                **9 Beyer**

Radio Units In-house        **Nil**

Talkback patching located at: **All technical positions including:**

**Lighting - XLR**

**Sound - XLR**

**SM - XLR**

**Fly - XLR**

**Stage DS/US PS & OP - XLR**

**Orchestra - XLR**

**Production/Rehearsal Desk & Sound Desk - XLR**

#### **Paging / Show relay**

Paging to the dressing rooms is available from the stage managers desk. Show relay is distributed to all dressing rooms and green room. Each room has an individual volume control.

#### **Stage Monitor**

Colour camera in centre of rear lighting bar to SM desk. Wiring to all locations for future monitors

#### **Cue Light System**

In house Cue light system available    **No**

Number of units                                **N/A**

## Technical Specifications

### Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
DR1	1	1	1	Accessible dressing room at stage level
DR2	12	1	1	Large general dressing room upstairs on Level 1
DR3	12	1	1	Large general dressing room upstairs on Level 1 next to DR2
Choir Room	20-30	1	No	Large choir/assembly/meeting area in sub-stage area
DR4	5	Adjacent	Adjacent	Under DR1 on sub-stage level access via large general dressing room or green room
DR5	2	Adjacent	Adjacent	Next to DR4

### Laundry / Wardrobe:

Washing Machines	1
Dryers	1 (Tumble)
Drying rooms	N/A
Iron / ironing board	1
Clothes racks	6

### Production Facilities:

#### **Production Desk**

Production/rehearsal desk set up in first row behind the auditorium crossover. It has patch wiring for comms, lighting, mic, power and ethernet

#### **Production Office**

Available on request

#### **Phone**

Please contact Theatre Director

#### **Access to phone for internet access**

ADSL access available, Wifi available

### Greenroom:

Tea / Coffee facilities	Yes
Fridge / freezer	Yes
Microwave	Yes

Stage Door:

**Access**

Stage Door is located behind the Shopping Centre.

**ADDITIONAL FACILITIES & INFORMATION**

Orchestral:

Grand Piano available for hire

Orchestral Chairs available

Rehearsal Space:

Please contact Theatre Director.

Other:

The Capitol Theatre is operated as both a Theatre (operated by Council) and a Cinema (operated by Box Office)



**VENUE:**

Venue Contacts:

Venue Address	<b>Level 1 Centrepoint Shopping Centre Peel Street, Tamworth NSW 2340</b>
Venue Postal Address	<b>PO Box 555 Tamworth NSW 2340</b>

Staff Contacts:

<b>Management</b>	<b>Theatre Director – Peter Ross</b>
Phone Number	02 6766 2028
Email Address	p.ross@tamworth.nsw.gov.au
Fax Number	02 6766 5641
<b>Technical Enquires</b>	<b>Technical and Production Co-ordinator – Robert Elsworthy</b>
Mobile	0428 693 544
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<b>Administration</b>	<b>Client &amp; Customer Service Officer – Shannon Golledge</b>
Phone Number	02 6766 2028
Email Address	s.golledge@tamworth.nsw.gov.au
Fax Number	02 6766 5641
<b>Box Office</b>	<b>Ticketing Services Coordinator – Alana Thompson</b>
Phone Number	02 6766 2028
Fax Number	02 6767 5312
Email Address	alana.thompson@tamworth.nsw.gov.au
<b>Marketing</b>	<b>Marketing Coordinator – Ann Walsh</b>
Phone Number	02 6766 2028
Fax Number	02 6767 5312
Email Address	a.walsh@tamworth.nsw.gov.au

Venue Plans:

**Venue PDF Plans available from**  
**<http://www.capitoltheatretamworth.com.au/Venue-Hire-Capitol-Theatre-Tamworth/>**