



*see it live. see it local.*

## **Technical Specifications**

Updated  
17/05/2009

**Technical Manager:** Robert Elsworthy, Senior Venue Supervisor

Mobile number: 0428 693 544  
Fax number: 02 6767 5499  
Email: r.elsworthy@tamworth.nsw.gov.au

**Venue:** Peter Ross, Theatre Director

Phone number: 02 67662028  
Mobile number: 0448 255 275  
Fax number: 02 67665641  
Email: p.ross@tamworth.nsw.gov.au  
Website: www.capitoltheatretamworth.com.au

Capitol Theatre Tamworth is a proud initiative of



## 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                   **600**

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

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

Orchestra pit level at **1400mm TBC** below auditorium.

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

SWL of orchestra lift **6000kg**

Dimensions of the orchestra pit **10m x 4.5m**

Orchestra pit maximum capacity **28 players**

### Flying Facilities:

#### **Fly System**

Fly system consists of fixed motorised and manual winch lines

#### **Fly System Details**

Operating Position **Motor Winches from DS OP, Manual Winches from OP side stage**

Total number of Lines **16**

Panorama Lines **Nil**

Batten Drift **11m**

Batten Type **75x50 RHS steel batten**

Batten Length **13m**

Batten Extensions **N/A**

Batten Pick-ups **5 pick ups, 1 at centre then 2 at 3m centres**

Batten Point Load **TBC**

Batten W.L.L. **350/500kg**

Cradle Capacity **N/A**

LX bars can be swung **No**

Fly bars can be swung **No**

*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 <i>(hiring company use)</i>
	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	500	Lighting Bar #1	
4	2500	HW	350	Legs and Border #2	
5	2700	MW	500	Scenery Batten #1	
6	3150	MW	500	Lighting Bar #2	
7	3500	HW	350	Black Tabs #1 (manual operation PS)	
8	3800	HW	350	Scenery Battern #1A	<i>Note: lighter W.L.L.</i>
9	4500	HW	350	Legs and Border #3	
10	4700	MW	500	Scenery Batten #2	
11	5150	MW	500	Lighting Bar #3	
12	6500	HW	350	Legs and Border #4	
13	6700	MW	500	Scenery Batten #3	
14	7000	MW	500	Lighting Bar #4	
15	8000	HW	350	Black Tabs #2 (manual operation PS)	
16	8200	MW	500	Scenery Batten #4	
17	8400	HW	350	White Cyclorama	
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					

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	13000	2000	3
Legs	Velour flat	Black	1800	7000	1
Legs	Velour flat	Black	3000	7500	3
Tabs / Smother	Velour Tabs 75% fullness	Black	7000	7000	2
Cyclorama	Filled Cloth	White	13000	7000	1
Scrim					N/A

Access Equipment:

**Elevated Work Platform**

Snorkel UL32

Maximum reach is **11.7m reach**

**EWP Restrictions**

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

**Ladders**

**TBC**

Staging Units:

**TBC**

**TBC**

**TBC**

**TBC**

Stage Covers:

**Style** N/A

**Dimensions** N/A

**Colour** N/A

Stage Traps:

N/A

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

TBC

### 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    **1000 TBC**

Door Dimensions        **2200 High**

**2400 Wide**

#### 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, then up on the Orchestra Lift to Stage Level**

### 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 5.5m 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	<b>N/A</b>
Usable bar width	<b>N/A</b>
Notes	Support beams available for temporary rigging

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

Setting Line to lighting bar	<b>10m TBC</b>
Usable bar width	<b>13m</b>
Notes	Access via Dimmer Room Level 2 PS

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

Setting Line to lighting bar	<b>N/A</b>
Usable bar width	<b>N/A</b>
Notes	<b>N/A</b>

#### **Rear Wall Bar**

Setting Line to lighting bar	<b>26m TBC</b>
Usable bar width	<b>4.5M</b>
Notes	Lighting Bar on rear wall of theatre above Bio Box windows

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

Setting Line to FOH Perch	<b>Side wall boom in line with forestage/pit with EWP access - measurements TBC</b>
---------------------------	---

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

Maximum lanterns per perch	<b>12 in pairs - 2 Pacific 23/50 as standard rig</b>
Notes	<b>TBC</b>

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

Setting Line to FOH Boom	<b>Side wall boom at auditorium crossover aisle with EWP access - measurements TBC</b>
--------------------------	--

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

Maximum lanterns per boom	<b>12 in pairs - 4 Pacific 12/28 as standard rig</b>
Notes	<b>TBC</b>

### Control:

Lighting desk	<b>LSC Maxim XXL P 60/120</b>
Control channels	<b>1024</b>
Signal output	<b>DMX two streams</b>
Signal distribution	<b>DMX patching (Jands DD8 x 2) in Lighting Control Room rack to all lighting outlet locations</b>
Remote riggers available onstage	<b>Yes</b>

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**

House Lights:

Independent control **Yes**

Control positions **Control Room, SMD, Foyer, Bio Box**

Fade time adjustable **Yes - Dynalite programmable**

Stage Luminare:

**Profiles**

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Pacific	23/50	Gobo holders (A)	1000	<b>12</b>
Selecon	Pacific	12/28	Gobo holders (M)	1000	<b>32</b>
Selecon	Pacific	5/13	Gobo holders (M), iris	1000	<b>4</b>

**Fresnel's**

Make	Model	Detail / Accessories	Watt	Total
Selecon	Arena 200mm	Barndoors	2000	<b>8</b>
Selecon	Rama 150mm	Barndoors	1200	<b>16</b>

**PC**

Make	Model	Detail / Accessories	Watt	Total
Selecon	Rama 150mm	Barndoors	1200	<b>20</b>

**Par Cans**

Make	Model	Angle	Detail / Accessories	Watt	Total
Kupo	MultiPar	MFL	Spare Lens sets	575	<b>30</b>

**Wash**

Make	Model	Detail / Accessories	Watt	Total
Selecon	Aurora 4	4 cells per unit (linear)	1000	<b>5</b>
Selecon	Lui 1	Rehearsal Worklight	1000	<b>5</b>

**Movers**

Make	Model	Control Channels	Detail / Accessories	Watt	Total
N/A					

Followspots:

Make	Model	Angle	Detail / Accessories	Watt	Total
Pacific			2		<b>2</b>
			Additional 2 available		

Additional Lighting:

Item	Make	Model	Detail / Accessories	Watt	Total

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 (Green Power)
- 40A Fly Floor PS (2)
- 40A Stage US PS (1) OP (1)

Cabling:

**240v Extension Cable**

**Yes Quantities TBC**

**Looms**

Lighting Bars fed with Socapex Multicore Looms

Nil

Nil

Nil

**3 phase Extensions**

Nil

Nil

Nil

**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

## AUDIO

### Control Positions:

#### **Control Room**

Rear of auditorium with sliding glass windows - OP of Bio Box

#### **Auditorium**

Rear centre of Auditorium - last two rows (1 seats removable)

Total seat allocation **12**

#### **Other**

Centre Auditorium (by negotiation)

### Control & Amplification:

#### **Primary Mixer**

Soundcraft GB24/4

#### **Secondary Mixer**

N/A

#### **Amplifiers**

N/A - powered speakers

N/A

#### **EQ**

DBX-1231 31 band graphic equaliser x 4

#### **FX**

LEX-MX300 2 in/2 out

#### **Compression / Limiter / Gates**

DBX-400 Digital Audio Processor

### Speakers:

#### **FOH Speakers**

Meyer UPQ-1P Left (1) & Right (1)

Galileo 6/6 Control

Meyer UPJ-1P Centre

#### **Foldback**

Meyer UP-Junior powered speakers

### Playback:

Item	Make	Model	Detail	Total
CD	Stanton	C402		1

### Microphones:

Make	Model	Detail / Accessories	Use	Total
Shure	Beta 58	Mic clips		4
Shure	SM57	Mic clips		4

Technical Specifications 170509

Shure	SM81	Mic clips		<b>3</b>
Shure	KSM27	Mic clip		<b>1</b>
Shure	ULXS12485	Radio Mic -hand held & body pack		<b>2</b>

Accessories:

Item	Model	Detail / Accessories	Total
Mic stands	Mixed	Booms (6) Table (2)	<b>14</b>

Line Patching:

Location	Quantity	Numbering	Detail
All locations	200+		To Sound Control - send/return

Speaker Patching:

Location	Quantity	Numbering	Detail
All locations	30+		Line (Meyer) and Speakon

Cabling:

**Audio Cable**

Mic leads various lengths

**Multicore**

10M 12 core 8 send/4 return

10m 16 core 12 send/4 return

Audio Notes:

FOH speakers rigged on dropper wires from box truss on chain hoists

**TBC**

**TBC**

**AUDIO VISUAL**

Projection Room:

Bio Box (Box Office Cinema Operator for cinema complex) located in centre  
 Lighting and followspot PS  
 Sound and Audio/visual and followspot OP

Projectors:

Type	Model	Detail / Accessories	Total
TBA		TBA	1

Screens:

**Projection Screen**

Cinema Screen 14m wide roller screen located in front of proscenium (Box Office is cinema operator)

Screen dimensions **14m wide x 8m high with black top masking border**

**Additional Screens**

Portable screen - XXXXXXXXXX

Screen dimensions **TBA**

AV Playback Equipment:

Item	Model	Detail / Accessories	Total
TBA		TBA	

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

Audio Visual Notes:

TBC

TBC

## **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                **10 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

#### **Q Light System**

In house Q light system available        **No**

Number of units                                **N/A**

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
Choir Room	20-30	1	No	Large choir/assembly/meeting area in sub-stage area

Laundry / Wardrobe:

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

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

**Fax**

02 6766 5641 (located on Theatre Director's Office.)

**Access to phone for internet access**

No. ADSL access available

Greenroom:

Tea / Coffee facilities	<b>Yes</b>
Fridge / freezer	<b>Yes</b>
Microwave	<b>Yes</b>
Running water	<b>Yes</b>

Stage Door:

**Access**

Stage Door is located behind the Shopping Centre.

**ADDITIONAL FACILITIES & INFORMATION**

Orchestral:

Grand Piano available for hire

Orchestral Chairs available

TBC

TBC

Rehearsal Space:

Please contact Theatre Director.

N/A

N/A

N/A

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>Technical Enquires</b>	<b>Senior Venue Supervisor – Robert Elsworthy</b>
Mobile	0428 693 544
Email Address	r.elsworthy@tamworth.nsw.gov.au

<b>Administration</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>Box Office</b>	<b>Tourism Tamworth</b>
Phone Number	02 6767 5300
Fax Number	02 6767 5312

<b>Stage Door</b>	
Phone Number	02 6767 2028 (Theatre Director)

<b>Stage</b>	
Phone Number	N/A

**Venue Plans:**

**Venue PDF Plans available from [www.capitoltheatretamworth.com.au](http://www.capitoltheatretamworth.com.au)**