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Technical Specifications

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* Information correct at time of printing and subject to change without notice

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DESTINATION TAMWORTH

ENTERTAINMENT VENUES

TRECC | CAPITOL THEATRE TAMWORTH | TAMWORTH TOWN HALL

Capitol Theatre Tamworth is a proud initiative of



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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 ² (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:

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** 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, borders and motorised winches, (9) are Lx bars and Scenery lines.

Fly System Details

Operating Position	Motor Winches from DS OP, Manual Winches from OP side stage
Total number of Lines	16
Batten Lines	9
Batten Drift	10m
Batten Type	75x50 RHS steel batten
Batten Length	12m
Batten Extensions	N/A
Batten Pick-ups	5 pick ups, 1 at centre then 2 at 3m centres
Batten Point Load	
Batten W.L.L.	8 lines at 450kg, 1 at 200kg.
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	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	
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

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

Fire Curtain

The Theatre has a Smoke Curtain as part of the Fire System, which is located on the back of the proscenium arch wall. The area immediately beneath the Smoke Curtain is a no-build zone as per fire regulations.

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:

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.

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 **1000mm**

Door Dimensions **2200mm high**

2400mm wide

Restrictions / Obstructions

Liaison with shopping centre deliveries. Stage Door is an emergency exit. Semi (larger trucks) length can impact on the Theatre and Cinema's emergency exit doors.

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
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
	<i>Distances are to the highest downstage point of boom or perch.</i>
	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
	<i>Distances are to the highest downstage point of boom or perch.</i>
	lanterns per boom 3 x ETC15/30 source 4 750w and 1 x LED e profile as standard rig
<u>Control:</u>	
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 universes / Hog 4 - 4 Universes
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 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	16
ETC	Source 4	15/30	Gobo holders (B)	750	24
Selecon	Pacific	5/13	Gobo holders (M)	1000	4
			Iris to suit all pacifics	na	5
ETC	Source 4	15/30	Gobo holders	750	24
			Iris to suit S4		6
ShowPro	eprofileFC	50	LED RGBAL	250W	10

Fresnel's and PC

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

Par Cans

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

CYC Wash

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

Followspots

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

Moving LED lights

Make	Model	Control channels	Detail / Accessories	Watt	Total
Martin Rush	MH6	14	LED wash, 10-60 zoom	12x10 w	16
Moving Light	Silverstar	Pluto 350	LED hybrid , beam, spot, wash	350W	8

LED wash

Make	Model	Control channels	Detail / Accessories	Watt	Total
LED Quad 12	Show Technology	4 ch	DMX controlled, RGBW	12x8w	12

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

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

Additional Lighting: fee applies

Item	Make	Model	Detail / Accessories	Watt	Total
Moving light	Martin Rush	MH-7	Discharge lamp hybrid, beam, spot, wash	250W	8
LED Wash	Showpro	Quad 18	DMX controlled RGBW	18x8W	30
Star cloth	ILED	IL -06967	128 led RGB dmx & independent control. 6m x 4m		3
Lighting desk	High End	Road Hog 4	With wing fader.		1

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-

Yamaha QL5 ,

Analogue core to stage and/or Cat 5 with RIO rack 32in

If available, 2nd QL5 or Yamaha QL1 on request

Analogue Mixer-

Soundcraft GB series, GB4, available on request

Amplifiers

N/A - powered speakers

N/A

Processor

Galileo 616 6 in 16 out

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) Stage flown,
 Meyer UPQ-1P Left (1) & Right (1) in delay position, flown
 Meyer UPQ-1P Centre (1) Flown
 Meyer UPJ-1P Left (1) & Right (1) stage side fill
 Meyer Subs 650p double 18" (4)
 Meyer MM4UXP (4) ground front fill

Foldback

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

Playback:

Item	Make	Model	Detail	Total
CD	Denon	DN360		1
Q Lab	Apple		playback	1

Microphones: if required and available additional microphones can be supplied

Make	Model	Detail / Accessories	Use	Total
Shure	Beta 58	Mic clips	Vocal	8
Shure	SM57	Mic clips	instruments	6
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	3
Shure	KSM27	Mic clip		1
Shure	ULX-4	Radio Mic -hand held, or headworn or lapel & body pack	More available by request	4
Shure	202b	Positioned on Lx1 and Lx2	Overhead, hanging	6
Radial DI	J48	Active		6
Radial DI	Pro D2	Active	Stereo	2
Radial DI	JDI	passive		2

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	Type	Detail
All locations	200+	Copper wire	To Sound Control - send/return Patch available through venue
	2	Ethernet Cat5	FOH to PS Stage

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: More projectors on request

Type	Model	Detail / Accessories	Total
Hitachi	CP-WU8460	6000 lumens	1

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
Roland V1 SDI switcher	V1 SDI	2 hdmi in/4 SDI in/ 2 SDI out,	
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
Eidrol 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

Video Cameras, editing suite, all on request.

Projector Rigging Points:

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

Cabling:

Patch wiring from lighting catwalk for projector and from LX #1 onstage to PS and to FOH position. Technical Ethernet and SDI 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 belt packs

Total headsets

9 Beyer

Radio Units In-house

2 GreenGo belt packs compatible with Clearcom wired house system

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**

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)

Music and Live Performance Permits

Hirers of the Capitol Theatre and touring productions are responsible to obtain their own appropriate permits. For further information please visit: Phonographic Performance Company of Australia LTD (PPCA) www.pcca.com.au Australasian Performing Rights Association Limited & Australasian Mechanical Copyright Owners Society Limited (APRA AMCOS) www.apraamcos.com.au.

Plan Submission

The following plans should be submitted 6 weeks prior to the performance

- Stage plan including set diagrams
- Flying Application including weight loadings
- Lighting Plan with corresponding gel spreadsheet
- Audio requirements
- Risk Assessments

Fatigue

Council staff are required by contract to have a 30 minute break every 4 hours. Staff must not exceed 12 hours continuous. Your schedule should allow for all persons involved in the production (talent, workers, volunteers, staff etc) to have adequate and appropriate breaks.

VENUE:

Venue Contacts:

Venue Address **Level 1 Centrepoint Shopping Centre
Peel Street, Tamworth
NSW 2340**

Venue Postal Address **PO Box 555
Tamworth NSW 2340**

Staff Contacts:

Management

Phone Number **Theatre Director – Peter Ross**
02 6766 2028
Email Address p.ross@tamworth.nsw.gov.au
Fax Number 02 6766 5641

Operations

Phone Number **Production & Operations – Rebecca Harding**
02 6766 2028
Email Address r.harding@tamworth.nsw.gov.au
Mobile Number 0419 386 928

Technical Enquires

Mobile **Senior Technician – Robert Elsworthy**
0428 693 544
Email Address r.elsworthy@tamworth.nsw.gov.au

Administration

Phone Number **Client & Customer Service Officer – Shannon Golledge**
02 6766 2028
Email Address s.golledge@tamworth.nsw.gov.au
Fax Number 02 6766 5641

Box Office

Phone Number **Ticketing Services Coordinator – Alana Thompson**
02 6766 2028
Fax Number 02 6767 5312
Email Address alana.thompson@tamworth.nsw.gov.au

Marketing

Phone Number **Marketing Coordinator – Ann Walsh**
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/>