

# BURDEKIN THEATRE

## *BURDEKIN THEATRE*

### **Technical Specifications**

Updated  
12/03/2009

**Technical Manager: David Bourke**

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**Venue:**

Phone number: 0747 839 880  
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Website: burdekintheatre.com.au

## **STAGE**

### **Brief Stage Description:**

Proscenium arch stage with flying facilities. Concrete floor covered with black painted chipboard sheeting. Screwing permitted into surface.

Stage distributed load limit    **Unknown**

Stage point load limit         **Unknown**

Stage rake                       **No rake**

### **Stage Dimensions:**

#### **Proscenium**

Width                       **11.4 metres**

Height                      **5 metres**

#### **Setting Line**

Located immediately behind rear of proscenium arch

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

SL to DS edge of apron         **1200 mm**

SL to DS edge of Orchestra Lift/Pit **3 metres**

SL to first fly line             **210 mm**

SL to last upstage fly line    **8790 mm**

SL to rear wall                 **9000 mm**

CL to OP wall (or obstruction) **11 metres**

CL to PS wall (or obstruction) **11 metres**

Stage to underside of grid     **12 000 mm**

#### **Overhead obstructions**

No overhead obstructions for grid rig

### **Auditorium:**

Fixed raked seating

Seating capacity with additional  
Orchestra lift/pit seating installed    **514**

Seating capacity without  
Orchestra lift/pit seating installed    **498**

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

The orchestra pit is a motorised lift. Unit is **very slow to move**.

Set positions for orchestra lift where lift at auditorium level is 0mm  
Stage level at **1.0 mm** above auditorium.

Orchestra pit level at **variable up to 2.5 mm** below auditorium.

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

SWL of orchestra lift **Lift not rated**

Dimensions of the orchestra pit **9.9 metres wide x 3.3 metres**  
**(measurements taken with pit lowered)**

Orchestra pit maximum capacity **Max 10 persons**

### Flying Facilities:

#### **Fly System**

Single purchase counterweight system operated from prompt side stage level

#### **Fly System Details**

Operating Position	<b>Prompt at stage level</b>
Total number of Lines	<b>30</b>
Panorama Lines	<b>N/A</b>
Batten Drift	<b>10 metres</b>
Batten Type	<b>52 mm O/d pipe</b>
Batten Length	<b>12 metres</b>
Batten Extensions	<b>limited number to extend batten to 14 metres</b>
Batten Pick-ups	<b>5 line pick ups 1 at Centre then others at 3.24 m intervals</b>
Batten Point Load	<b>144 kg direct under pick up line</b>
Batten W.L.L.	<b>280 kg evenly distributed along batten length</b>
Cradle Capacity	<b>280 kg total incl batten weight</b>
LX bars can be swung	<b>yes</b>
Fly bars can be swung	<b>Yes</b>

**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>
	1800 mm			Stage Apron	
	<b>Setting Line</b>				
1	210 mm	SP	280kg		
2	450 mm	SP	280kg	House Tabs	
N/a					Not installed
4	730 mm	SP	280kg	Electrics 1	
5	1070 mm	SP	280kg	Legs 1	
6	1480 mm	SP	280kg		
N/a					Not installed
8	1740 mm	SP	280kg		
9	1970 mm	SP	280kg		
10	2180 mm	SP	280kg	Border	
11	2380 mm	SP	280kg	Legs 2	
12	2600 mm	SP	280kg	Electrics 2	
N/a					Not installed
14	3200 mm	SP	280kg		
15	3420 mm	SP	280kg		
16	3610 mm	SP	280kg		
17	3840 mm	SP	280kg		
18	4050 mm	SP	280kg	Legs 3	
19	4270 mm	SP	280kg	Border	
N/a					Not installed
21	4710 mm	SP	280kg	Electrics 3	
N/a					Not installed
23	5110 mm	SP	280kg	Black Tabs	
24	5350 mm	SP	280kg		
25	558 mm	SP	280kg		
26	5790 mm	SP	280kg	Legs 4	
27	5990 mm	SP	280kg	Electrics 4	
N/a					Not installed
29	6570 mm	SP	280kg	Border	
N/a					Not installed
31	6980 mm	SP	280kg	Flood Bar Cyc Lx	
N/a					Not installed
33	7390 mm	SP	280kg		
34	7580 mm	SP	280kg	Legs 5	
35	7820 mm	SP	280kg		
N/a					Not installed
37	8250 mm	SP	280kg	Black Smother	
38	8560 mm	SP	280kg		
39	8790 mm	SP	280kg	White Cyclorama	

Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain	Wool	Red	14	6.5	1
Borders	Wool	Black	14	1.5	2
Legs	Wool	Black	2	6.5	5
Tabs / Smother	Wool	Black	14	6.5	2
Cyclorama	Sharks tooth	White	14	6.5	1
Scrim	Sharks Tooth	Black	14	6.5	1
Legs	Wool	Black	14	3	2

Access Equipment:

**Elevated Work Platform**

Aluminium tallscope

Closed is 4.3 metres extended is 7.6 metres

**EWP Restrictions**

Outriggers to be used with at least one staff member at base while in use

**Ladders**

1 x aluminium extension ladder 3.5 metres closed 6.45 metres extended

1 x aluminium stepladder 2 metres

1 x aluminium stepladder 3 metres

Staging Units:

18 x porta stage rostra units 1mtr x 2 mtr x (300mm, 600mm or 900mm)

**Limited** number of legs available at each height

Stage Covers:

**Style** N/A

**Dimensions** N/A

**Colour** N/A

Stage Traps:

N/a

Safety Curtain:

Safety Curtain installed N/A

Safety Curtain must be unobstructed at all times N/A

Thickness of Fire Curtain N/A

Distance from setting line N/A

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

## Additional Requirements

N/a

### Loading Dock:

#### **Access**

Truck access direct from street. Truck able to reverse up to loading dock  
Equipment transfer direct from loading dock to stage wings

Loading Dock Height      **1 metre from street level**

Door Dimensions            **3.5 metres High**

**2.9 metres Wide**

#### **Restrictions / Obstructions**

Trucks must not extend past the parking bays into the street if left in position during performances

**Maximum length of truck not to exceed 11 metres or 36 feet.**

If truck **exceeds this length the venue must be notified in advance** in order to coordinate street closures for the period the truck is located at the loading dock for loading and unloading,

### Additional Rigging Notes

N/a

Venue has no additional rated rigging points available at present

### Staging Notes:

All flown items must be rigged with rated equipment and is subject to approval by venue technical supervisor

Access to stage galleries is from PS of stage only

Very limited rigging gear is available in house

## LIGHTING

### Positions:

**Stage LX Bars** Lx bars may be swung up to 1000 mm from their standard positions.

*See hanging plot for standard LX bar locations*

### **FOH Bridge #1**

Setting Line to lighting bar **8.2 metres 55-degree angle**  
Usable bar width **10 metres**  
Notes Decorative panels limit rigging positions. Bar is very close to downstage edge

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

Setting Line to FOH Perch **10.7 metres 40-degree angle**  
*Distances are to the highest downstage point of boom or perch.*  
Maximum lanterns per perch **6 Fixtures only**  
Notes Perches provide difficult shots, as the location is very wide due to auditorium width. Useful only for downstage washes as per standard

### Control:

Lighting desk **Jands Vista PC, S1 or M1 Wing board, PC to suit.  
Express 250**

Control channels **Vista PC – 512, Express 250**

Signal output **Dmx 512**

Signal distribution **Single only stream of dmx to dimmer room and various points on prompt side stage and prompt gallery**

Remote riggers available onstage **Yes – Wired Version for Express 250**

### Dimmer Racks:

**Total Dimmers 96**

**Dimmer Locations Dimmer room located prompt side upstairs  
LSC Tour Dimmers located on upstairs  
prompt fly gallery**

2.4w Dimmer Racks **LSC Tour Racks in roo bars x 3  
Strand JTM 2 kw**

Total dimmers @ 2.4kw/2 kw per dimmer **89**

5Kw Dimmer Racks **Strand**

Total dimmers @ 5kw per dimmer **7**

House Lights:

Independent control      **Yes**

Control positions      **Stalls control position and on stage managers console**

Fade time adjustable      **No – very slow**

Stage Luminare:

**Profiles**

Make	Model	Angle	Detail / Accessories	Watt	Total
ETC	Source 4 Jnr	25 50	Wide Angle	575	12
ETC	Source 4	15 30	Medium angle	700	4
Prolite			Wide Angle	1 kw	8
Prolite			Medium angle	650 w	12

**Fresnel's**

Make	Model	Detail / Accessories	Watt	Total
Selecon		24 Barn doors	1 kw	20
Prolite		12 Barn doors	1.2 kw	12

**PC**

Make	Model	Detail / Accessories	Watt	Total
Prolite		24 Barn doors	1 kw	24
Prolite		18 Barn doors	650 w	18

**Par Cans**

Make	Model	Angle	Detail / Accessories	Watt	Total
Kupo	Multi Par	Various	240 volt	575 w	8
Kupo	Par 64	MFL	240 volt	1 kw	12
Jands	Par 64	MFL	240 volt	1 kw	8

**Wash**

Make	Model	Detail / Accessories	Watt	Total
Prolite	Single	Single cell units	1 kw	16

**Movers**

Make	Model	Control Channels	Detail / Accessories	Watt	Total
N/a			Available for hire from External hire company		

Followspots:

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Performer		Located in projection room Colour changers available	1.2Kw	2

Additional Lighting:

Item	Make	Model	Detail / Accessories	Watt	Total
			Available for hire from External hire company		

Patching:

Location	Quantity	Numbering	Detail / Accessories
FOH Perches	12	1- 12	6 Outlets only each side next to perches
FOH Bridge	24	24 - 1	
Lx 1	20	20 - 1	
LX 2	20	20 - 1	
LX 3	16	16 - 1	Temp bar with weiland type ends on bars
LX 4	12	12 - 1	Temp bar with weiland type ends on bars
			<b>Lx 3 and 4 rigged upon request only</b>

Power:

**3 Phase Outlets**

- 3 x **32 amp** located prompt side on loading gallery (**allocated to dimmers 84 to 96**)
- 2 x **32 amp** located prompt side upstage floor level
- 1 x **32 amp** located prompt side downstage floor level
- 1 x **32 amp** located in prompt side gallery dimmer room (**allocated to dimmers 61 to 72**)

Cabling:

**240v Extension Cable**

The venue has a small stock of extension leads to accommodate the venue standard lighting rig. Any additional equipment will require additional cable stock to be sourced.

4 x 4 way Weilandts available at venue

**3 phase Extensions**

1 x 10 metre **32 Amp** Wilco plug extension 1 x 50 metre **32 amp** Wilco plug

1 x 15 Metre **32 Amp** Wilco plug extension

Lighting Notes:

Electrics bars 3 and 4 are rigged on request only

**Cabling for these bars may be in use in other parts of the venue unless requested in advance**

**Limited patch points** available at FOH perch positions

Downstage perches at FOH require power to be sourced from FOH catwalk outlets

**Limited range** of colour stock available

**Limited range** of gobos available

Plans of standard electrics rig available for email upon request

Some equipment from this inventory may be in use at the Memorial Hall function venue at time of your hire.

Please provide a comprehensive electrics plot with all equipment required from this inventory to ensure availability on the day of hire.

## AUDIO

### Control Positions:

#### **Auditorium**

Rear rows O and P centre

Total seat allocation **16**

(This position is shared with electrics operator)

#### **Other**

Audio and electrics may be patched into system at Stage Mangers console in Prompt side of stage if required.

### Control & Amplification:

#### **Primary Mixer**

Allen and Heath MIL 4000 48 mono, 6 stereo, 12 aux sends, 8 VCA, LCR panning

#### **Secondary Mixer**

Midas Venice 32 24 mono, 4 stereo, 4 groups, 6 aux sends

#### **Amplifiers**

2 Australian Monitor 1200 Power Amp 400 w x 400 w @ 8 ohms

#### **EQ**

ARX EQ 60 2 Channel x1

ARX EQ 30 1 Channel x 1

Behringer 2 Channel x 4

TC Electronic M-ONE x 1

Dbx 4880 Drive Rack for FOH

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

Behringer Quad Gate x 1

Dbx 160 x Compressor x 1

Behringer Quad Compressor x 1

### Speakers:

ARX SPL 12 **Self Powered** flown in front of proscenium

Tannoy Super Dual Flown Centre in front of proscenium

ARX SPL 18 Self Powered Subs – located on apron when required

Tasso Line Array System available for ground stack – check availability.

#### **Fold back**

Quest 15 and horn 500 w rms passive x 4

Australian Monitor X1 250 w rms passive x 4

### Playback:

Item	Make	Model	Detail	Total
Windows PC			<i>Sound Cue Systems installed</i>	
Dual CD	Denon		Dual CD player	<b>1</b>
Minidisk player	JVC		Single Minidisk player	<b>1</b>

Microphones:

Make	Model	Detail / Accessories	Use	Total
Shure	Sm57	Microphone clips	Vocals and Instruments	10
Shure	SM 58	Microphone clips	Vocals	6
Shure	Beta 57	Microphone clips	Vocals and Instruments	2
Shure	Beta 58	Microphone clips	Vocals	3
Beyer	Opus 51	N/A	Instruments	2
Beyer	M88	Microphone clips	Vocals and Instruments	2
EV	RE 510	Microphone clips	Vocals	6
AKG	C3000	Microphone clips	Instruments	1
AKG	C1000	Microphone clips	Instruments	2
AKG	C418	Microphone clips	Instruments	4
AKG	D112	Microphone clips	Instruments	1
Audio Technica	ATM 450	Microphone clips	Instruments	2

Accessories:

Item	Model	Detail / Accessories	Total
Microphone stands	K&M	Short with Telescopic Boom Black	2
Microphone stands	K&M	Short with Telescopic Boom Chrome	3
Microphone stands	K&M	With Telescopic Boom Black	5
Microphone stands	K&M	With Boom Chrome	6
Microphone stands	K&M	Straight with no boom / round base Black	3

Line Patching:

Location	Quantity	Numbering	Detail
Prompt side	12	P 1 - 12	12 sends
Opposite Prompt	12	OP 1 - 12	12 Sends
Prompt Side	10	1 - 10	10 Returns

Speaker Patching:

Location	Quantity	Numbering	Detail
<i>Venue system is hard wired for standard operation only.</i>			

Cabling:

**Audio Cable**

The venue has a small stock of various cables to suit equipment

**Multicore**

- 1 x 30 m 24 sends 4 returns
- 1 x 40 m 16 sends 4 returns

Audio Notes:

Recommend using auditorium position for all live mixing. The control room access makes is via a vertical ladder. Access for incoming equipment or large scale consoles is impossible

Control room is not suitable for live mixing due to difficulty with accesses of equipment to the room. Room built for projection so almost sound proofed – not possible to hear live mix.

Rear control position requires removal of 16 seats and is shared with the electric operator

**AUDIO VISUAL**

Projection Room:

N/a

Projectors:

Type	Model	Detail / Accessories	Total
Panasonic data projector		Suitable for small meeting room type events	1

Screens:

**Projection Screen (additional hire charge for use)**

Fast fold with drape kit and cases to suit

Screen dimensions 10' x 7.5' **Additional Hire Charge Applies to use**

AV Playback Equipment:

Item	Model	Detail / Accessories	Total
LG DVD Player		Additional Hire Charge applies to use	1

Projector Rigging Points:

A cradle is available to rig projector from any horizontal bar

Cabling:

The venue has a limited stock of cabling to suit this projector.

Some Cat 5 to VGA and Cat 5 to S Video baluns available with various lengths of Cat 5 cabling.

Audio Visual Notes:

The venue data projector is suitable for small meetings only.

Additional Audio Visual requirements may be sourced from contractors located in Townsville approximately 80 km north of the venue.

**BACKSTAGE**

Communications:

**Stage Managers Desk**

Stage Managers console located in prompt corner with television monitor and phone  
Console has limited movement

**Talkback**

Master Unit                      **Clearcom 2 channel**

Total sub stations            **8 Clearcom**

Total headsets                **8 Headsets**

Radio Units In-house    **N/A**

Talkback patching located at: **FOH control room and follow spots**  
**Auditorium control area**  
**OP floor level**  
**Stage Managers Console**  
**Prompt floor level**  
**Temp to production desk if required**

**Paging / Show relay**

Paging and show relay distributed to all dressing rooms.

**Stage Monitor**

TV monitor set on stage managers console only and over auditorium entry doors

**Q Light System**

In house Q light system available    **N/A**

Number of units                            **N/A**

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
Dressing Rm # 1	15	2	No	Showers available in upstairs rooms
Dressing Rm # 2	15	2	No	Showers available in upstairs rooms
Group Dressing	30	1	2	Showers available in this area

Laundry / Wardrobe:

Washing Machines	<b>1 x washing machine</b>
Dryers	<b>1 x dryer</b>
Drying rooms	<b>N/A</b>
Iron / ironing board	<b>1 x iron and ironing board</b>
Clothes racks	<b>N/A</b>

Production Facilities:

**Production Desk**

Removable basic production desk is available to be set up in centre over seating

**Production Office**

N/a

**Phone**

Available via admin office

**Fax**

Available via admin office

**Access to phone for internet access**

Requires prior request to Council IT department to activate port

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 directly alongside downstage male dressing room with access to outside.

**ADDITIONAL FACILITIES & INFORMATION**

Orchestral:

Yamaha 9 foot black concert grand piano

Yamaha upright piano

10 Music stands with sconces

Rehearsal Space:

Additional rehearsal space may be obtained by prior arrangement with management

Music Loft space may be available with prior arrangement with management.

**VENUE:**

Venue Contacts:

Venue Address **161 Queen Street Ayr 4807**

Venue Postal Address **P.O. Box 773 Ayr 4807**

Staff Contacts:

**Technical Manager** **David Bourke**  
Mobile 0417 637 190  
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**Stage Manager**  
Phone Number 0747 839 889

**Stage**

Phone Number            0747 839 889

Venue Plans:

**Venue Plan Available**

Yes – PDF plans may be emailed upon request or available for download from APACA website.

**Venue Section Available**

Yes – PDF plans may be emailed upon request or available for download from APACA website.

Venue Information:

The Burdekin Theatre is part of the Burdekin Cultural Complex and is a proscenium arch theatre with a raked auditorium seating capacity of 512.

The Complex houses two other indoor venues; The Music Loft, a flat floored venue with seating for up to 200 persons for conferences and functions and the Starlight Foyer, which has a capacity for 120 patrons, for cabaret style events.

The Complex is owned by the Burdekin Shire Council and is operated by the Burdekin Cultural Complex Board Inc.

The Complexes Technical Manager and Technician are an experienced crew who manage the production requirements for all events at the Complex; both are multi skilled in order to meet the requirements of the venue. Available, skilled casual production staff can be limited in the region and advance notice of crewing requirements is essential to ensure the requirements of touring productions can be achieved.

The Burdekin Theatre is a well equipped small regional venue.