

# Northern Festival Centre

Port Pirie

incorporating Keith Michell Theatre

## TECHNICAL FACILITIES



Government  
of South Australia

**country..**  
**arts sa**

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## Seats

Stalls:	303
Gallery:	192
<b>TOTAL SEATING</b>	<b>495</b>

Total possible seating with Orchestra Pit or Stage Apron in use: (Minus 9 Seats) (AA1 to AA9)	486
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Total possible seating with Thrust Stage in use: (Minus 47 Seats – All of AA, BB, CC)	448
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Total possible seating with Sound Mixer or Lighting Desk in Auditorium: (Minus 8 Seats - J13 to J18 and H29 to H34) (Minus 16 Seats - J9 to J14 and H25 to H30) <b>Note:</b> The number of seats removed depends on the amount of space required.	487 or 479
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### The Theatre can cater for up to 8 Wheelchair Seats (H3 to H15)

(Country Arts SA reserves the right to withdraw from sale for any performance, a maximum of 8 seats. Therefore above capacities may reduce by 8.)

## Proscenium

Width:	12.0m
Height:	7.5m

### Adjustable Proscenium

Width Maximum:	12.0m
Width Minimum:	6.0m
Height Maximum:	7.5m
Height Minimum:	4.0m

## Stage

Depth:	(Stage Front Edge to Rear Wall)	13.1m
Width:	(Including Wings)	21.5m
	PS Wing: (Stage Edge to Wall)	2.3m
	OP Wing: (Stage Edge to Fly Rail)	1.6m
Height:	(To underside of Grid)	18.0m
	(To underside of Fly Gallery)	8.0m
	(Above Auditorium Floor)	0.82m
	(Projection Screen Clearance)	10.8m
Timber Floor Dimensions:		16.7m x 12.5m
Distance from Front of Stage to House Curtain:		1.3m
Standard Colour:		Black

### Stage Surface

Stage Surface:	Unraked Timber with Masonite covering.
Orchestra Pit Cover:	Comprises of Timber Boxing at Auditorium Level. (Supported on Timber Bearers on Screw Jacks) (Width Front - 5.2m / Width Rear - 10.5m / Depth Front to Rear - 1.2m)
Stage Apron:	Orchestra Pit Cover at Stage Level. (Supported on Timber Bearers on Screw Jacks)
Thrust Stage:	Comprises of Timber Boxing.

**Orchestra Pit**  
(When Open)

Elliptical in shape.	
Floor level:	2.1m below Stage level.
Width at Front:	5.2m
Width at Rear:	12.6m
Depth Front to Rear:	4.2m
Balustrade around Auditorium edge of Orchestra Pit	
Capacity: Approximately:	35 musicians
<b>Note:</b> Orchestra Pit Cover is not Motorised. Must be disassembled and reassembled manually.	

**Stage Apron**

Elliptical in shape.	
Floor level:	At Stage level.
Width at Front:	5.2m
Width at Rear:	10.6m
Depth Front to Rear:	1.2m
Infill Panels around Auditorium edge below Stage	

**Thrust Stage**

The Thrust Stage consists of a series of Timber Boxes that are placed in front the Stage. (Plan can be provided on request)
<b>Note:</b> Use of the Thrust Stage requires raising the Orchestra Pit Cover to Stage level (See note about Orchestra Pit)

**Stage Drapes**

Tabs (Draw Curtains) (TC.75 heavy duty Steel Truss Construction Stage Track)	8.2m high x 14.4 wide	1 Pair (Black)
Tabs (Currently Not On Track)	8.2m high x 14.4 wide	1 Pair (Black)
Borders	3.5m high x 15m wide	5 (Black)
Legs	8.5m high x 3.3m wide	5 Pair (Black)
Cyclorama	8.0m high x 15m wide	White
House Curtain. (Fire Curtain)	8.2m high x 14.4 wide	Red
<b>Note:</b> House Curtain is also the Fire Curtain and must not be obstructed.		

**Dressing Rooms**

Number	Capacity	Amenities
1	4	Shower and Toilet
2	4	Shower and Toilet
3	20	Showers and Toilets
4	20	Showers and Toilets

**Wardrobe (Work Room)**

1 x Ironing Board
1 x Iron
1 x Top Loader Automatic Washing Machine
2 x Front Loader Tumble Dryers
4 x Mobile Wardrobe Racks.
4 x 1500mm x 900mm Work Tables.
40 Chairs

**Rehearsal Room**

12.6metres x 7.8metres with Sprung Timber Floor. Two Walls are completely Mirrored Ballet Barres fitted to one wall Toilet Facilities Located on the Upper Level of the Venue
Schiedmayer & Soehne 5 foot Baby Grand Piano (Available for use in Rehearsal Room only)
<b>Note:</b> Rehearsal Room use subject to availability. (check availability)

## Pianos

Feurich Leipzig Upright Piano (Located in Orchestra Pit)
Wertheim Upright Piano. (For use Onstage and other areas)
KAWAI GS 50 6 foot Baby Grand Piano (Available for Onstage Performances only)

## Lectern

1 x Lectern. (Black Frame with 2 Timber Shelves)
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## Scene Dock Area

Loading Dock Doors	2.4m wide x 2.6m high Roller Door at Stage Level.  (Allows end loading with direct access to the Stage from Driveway.)
Loading Platform	Concrete Pad. 4m x 2.9m
Loading Platform Height	1120mm above ground level

## Rostra

Quantity	Height	Length	Width
6	300mm x	2400mm x	1200mm
6	600mm x	2400mm x	1200mm
6	900mm x	2400mm x	1200mm
2 x Sets of Treads			
<b>Note:</b> 300mm Rostra subject to availability. (check availability)			

## Machinery

Single Purchase Counterweight lines	36
Barrel-length	15.0m
Number of Barrel Dropper Cables	5
Cradle Capacity	350kg
Fly Rail Operation Position:	Opposite Prompt
House Curtain Operation:	Fly Only
<b>Note:</b> Line 14 is occupied by the Cinema Projection Screen which cannot be moved.	
<b>Note:</b> There is a No Go Zone marked out on Fly Rail Side of Stage (OP), This area must be kept clear when Counterweights are being moved.	

## Elevated work platform

The Theatre is fitted with GENIE GR20 Elevated Work Platform to assist in rigging and focussing Equipment above the Stage level.  (Persons wishing to use this Platform must produce their Operator Training Card as issued by the Elevating Work Platform Association of Australia as proof of training before commencing work on the Platform.)
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## Lighting Equipment

### Lighting Control Consoles

1 x ETC Microvision FX Lighting Control Console (DMX512) (Capable of 125 channels)
1 x Jands ESPII 48 Lighting Control Console (DMX 512) (96 channels in wide mode)

**DMX Distribution:**

Cat5e (Shielded) via 2 x LSC 10-way MDR Splitters and RJ45 Patch Bay.

2 x Streams (A and B) with 5 Pin XLR Sockets.

**DMX Distribution Positions**

- FOH LX Bridge 1
- FOH LX Bridge 2
- Stage Level DSP
- Stage Level DSOP
- PS Loading Gallery x 5

**DMX Input Positions**

- Control Room
- Auditorium (Rear of Stalls)
- Stage Level DSP

**Follow Spot Positions**

Follow Spots are located in the Follow Spot Booth in the centre of FOH LX Bridge 2

**Lighting Positions**

5 x On Stage Lighting Bars

- LX1 (30 LX Sockets) – Sub Patch on PS Fly Gallery
- LX2 (30 LX Sockets) – Sub Patch on PS and OP Fly Gallery
- LX3 (30 LX Sockets) – Sub Patch on PS Fly Gallery
- LX4 (30 LX Sockets) – Sub Patch on PS and OP Fly Gallery
- Cyc Bar with 5 x Iris 4 Cyc Units – Sub Patch on PS Fly Gallery
- GPO's also available on Fly Gallery

2 x FOH Lighting Bridges

- Bridge 1 (30 LX Sockets + 3 GPO)
- Bridge 2 (30 LX Sockets + 7 GPO)

6 x FOH Lighting Perches

- 3 x PS each with 3 hanging Rails (Each has 4 LX Sockets + 1 GPO)
- 3 x OP each with 3 hanging Rails (Each has 4 LX Sockets + 1 GPO)

6 x Stage Floor Traps

- 3 x PS (Each has 4 LX Sockets + 1 GPO)
- 3 x OP (Each has 4 LX Sockets + 1 GPO)

Stage Level Lighting Options

- 10 x Portable Lighting Boom Poles
- 30 x Boom Arms
- 18 x H Stands

**House Light Control Positions**

- Control Room x 4
- Auditorium (Rear of Stalls)
- Auditorium (Entry 1 Airlock – OP)
- Auditorium (Entry 2 Airlock – PS)
- Stage Level (DSP)

**Dimmers**

- 48 x Strand Mini Pack 5Kw Dimmers (Channels 1 to 48)
- 24 x Strand Mini Pack 2Kw dimmers (Channels 49 to 72)

<b>LX Patching</b>	<ul style="list-style-type: none"> <li>• 200 LX Circuits located around venue terminating in Dimmer Room. (Direct connection to Dimmers via 3pin Plug)</li> </ul>
<b>Lighting Fixtures</b>	<ul style="list-style-type: none"> <li>• 20 x CCT Silhouette 15° 1000 W profile</li> <li>• 20 x CCT Silhouette 30° 1000 W profile</li> <li>• 50 x CCT Starlette 1000 W Fresnels</li> <li>• 6 x CCT 650 W Minuette Profiles</li> <li>• 6 x CCT 650 W Minuette Fresnels</li> <li>• 5 x CCT 500 W Minuette Cyc Floods</li> <li>• 5 x 1000 W Iris 4 Cyc Floods</li> </ul>
<b>Follow Spots</b>	2 x Selecon RuA 9° - 16° Follow Spots
<b>Lighting – Special Effect</b>	1 x 500mm Mirror Ball with Motor 1 x Strobe Light (Not DMX controlled) 2 x UV Fluro Lamps 1 x Lightwave F100 Smoke Machine (Not DMX controlled)  Martin Hazer available on request (Advance notice is required for use of this item.)

## Sound Equipment

<b>Analogue Sound Mixer</b>	1 x Soundcraft Series Two Mixing Console. (24 Input Channels / Stereo Left and Right Out / Mono Out / 8 Aux Sends)  (Standard Configuration - 4 sends (2 x FOH / 2 x Foldback))
<b>Digital Sound Mixer</b>	1 x Roland M-400 Digital Live Mixing Console (48 Input Channels / Stereo Left and Right Out / 6 Aux Sends)  Full specs: <a href="http://www.roland.com/products/en/M-400/specs.html">http://www.roland.com/products/en/M-400/specs.html</a>
<b>Digital Multicore</b>	1 x Roland S-4000 Digital Snake (32 Input Channels / 8 Sends)  Full specs: <a href="http://www.roland.com/products/en/S-4000S-208/specs.html">http://www.roland.com/products/en/S-4000S-208/specs.html</a>
<b>Digital Audio Lines</b>	Cat6 - 2 x Streams (A and B) with Ethercon Sockets.
<b>Digital Audio Line Positions</b>	<ul style="list-style-type: none"> <li>• DSP to Control Room</li> <li>• DSOP to Control Room</li> <li>• Control Room to Auditorium (Rear of Stalls)</li> </ul>
<b>Playback Equipment</b>	<ul style="list-style-type: none"> <li>• 2 x Denon DN680 CD player (Not CDRW compatible)</li> <li>• 1 x Panasonic DVD Player</li> <li>• 1 x Denon BluRay Player</li> <li>• 1 x Denon Cassette Player</li> </ul>
<b>Amplifiers</b>	<ul style="list-style-type: none"> <li>• 1 x Yamaha P2200</li> <li>• 3 x Yamaha P2201</li> <li>• 1 x Crown xls 602</li> </ul> <p><b>Note:</b> Amplifiers are located at Stage level DSOP.</p>

## Speakers - FOH

- 2 x Bose 802 Professional Loudspeaker (3 Pin XLR) located above lower Doors in Auditorium
- 2 x Bose 802 Professional Loudspeaker (3 Pin XLR) located above centre Ceiling Panels in Auditorium near Proscenium Arch
- 2 x Bose 302 Sub Woofers (3 Pin XLR)

## Speakers - Foldback

- 4 x Bose 620M Panaray Foldback Monitors (Speakon Connectors)
- 2 x Bose 802 Professional Loudspeaker (3 Pin XLR)
- 4 x Etone wedges (4 Pin XLR)

## Special Effects Rack

- 1x Yamaha Digital Delay D1500
- 1 x Yamaha Digital Reverb R1000
- 3 x Yamaha Q1027 Graphic Equalizer
- 1 x Drawmer DL221X Dual Compressor / Limiter

## Microphones

- 2 x Beyer Dynamic 700
- 6 x Beyer Dynamic M88TG
- 5 x AKG 330BT
- 1 x Beyer Dynamic M380
- 10 x Shure SM58 LCE
- 4 x Shure Beta 58A
- 6 x Shure KSM109 Condenser Microphone
- 6 x Shure EZO/G Easyflex Overhead Microphones
- 4 x Shure MX393/0 Boundary Microphone

## Wireless Microphone System

- 1 x Mipro ACT707 Wireless Radio Microphone System (4 x Hand Held Mics / 4 x Head Set Mics / 4 x Lapel Mics)

## Direct Inputs (DI's)

- 4 x BSS AR-133 Active DI's. Phantom or Battery. Pad: 0dB; 20dB; 40dB
- 4 x Jands High quality passive DI's. Parallel inputs (TRS balanced) Output XLR 150 Ohms. Ground Lift.

## Microphone Cables

Various length Microphone Cables are available for use.

## Microphone Stands

- 20 x Microphone stands of various sizes with boom arms.
- 3 x Round Base Microphone Stands

## Multicores

- 2 x Jands XLR 16 + 4 Stage Box 30 metres
- 1 x Jands XLR 16 Stage Box 12 metres

## Power Distribution

- 2 x 32amp 415volt 3 Phase Outlets at Stage Level (Prompt Side)
- 2 x 63amp 415volt 3 Phase Outlets at Stage Level (Prompt Side)
- 1 x 32amp 415volt 3 Phase Outlet in Scene Dock
- 1 x Naked 3 Phase Connector in Scene Dock. (An Electrician is required to connect into this Connector)
- 1 x 32amp 415volt 3 Phase Outlet in Ballroom
- 1 x 32amp 415volt 3 Phase Outlet in Control Room
- 1 x 40 metre 3 Phase Extension Lead

**Note: All 3 Phase Outlets are RCD Protected**

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## Projection Equipment

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### Data projector

1 x Sony VPL - PX40 LCD Data Projector  
3500 ANSI Lumens / Resolution 1024 x 768

(Fitted with Long Throw Lens) (Mounted in Control Room)

### Digital Cinema Projection Equipment

Christie CP2200 DLP Projector  
Doremi Showvault DCP-2K4 Cinema Server  
Gefen AV Cinema Scaler Pro II attached to provide input from DVI / HDMI / Component / Composite / VGA (AV) devices

Is Configured for use on Cinema Screen or Cyc.

### 3D Cinema

RealD 3D XL Mover (For use on Cinema Screen only)

### Cinema Sound

Installed QSC 5.1 or 7.1 Surround Sound

**Note:** Due to excessive Noise Levels, the Cinema Projection Equipment cannot be operated with the Control Room Windows open. Lighting and Sound Consoles must be moved to the Auditorium Mix Position.

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## Stage Management Control System

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Stage Managers Console is located stage left (Prompt Side) with Headset talkback to all Operator positions. (Control Room Lighting and Sound / Follow Spot Booth x 2 / Auditorium Mix Position / Fly Rail / Spare Headsets available for use in other areas).

Stage Sound Relay and Intercom to all Cast and Production Areas.

Visual Cueing System to production areas.

Warning Bell System to Foyer and public areas controlled by Front of House Manager or from Control Room.

### Please Note:

Local Television Stations are on UHF frequencies 590mHz to 650mHz. Radio Microphones should be set on channels above these frequencies if possible.



## Standard Rig

The Theatre is hired in a standard configuration for Lighting, Sound and Fly Lines. (See Plans below)

This includes:

- Standard Lighting Rig with standard 4 Colours (Red (R26), Blue (R79), Amber (R21) and OW).
- The Stage Apron at Auditorium Floor level with Seats in.
- Stage Floor colour – Black.
- Stage area clear, clean and tidy.

Any variation to the standard configuration will be made at the Hirer's expense and returned to the standard configuration at the Hirer's expense. The Theatre must be informed in writing at least two weeks prior to the bump in of any change you wish to make to the Standard Rig.

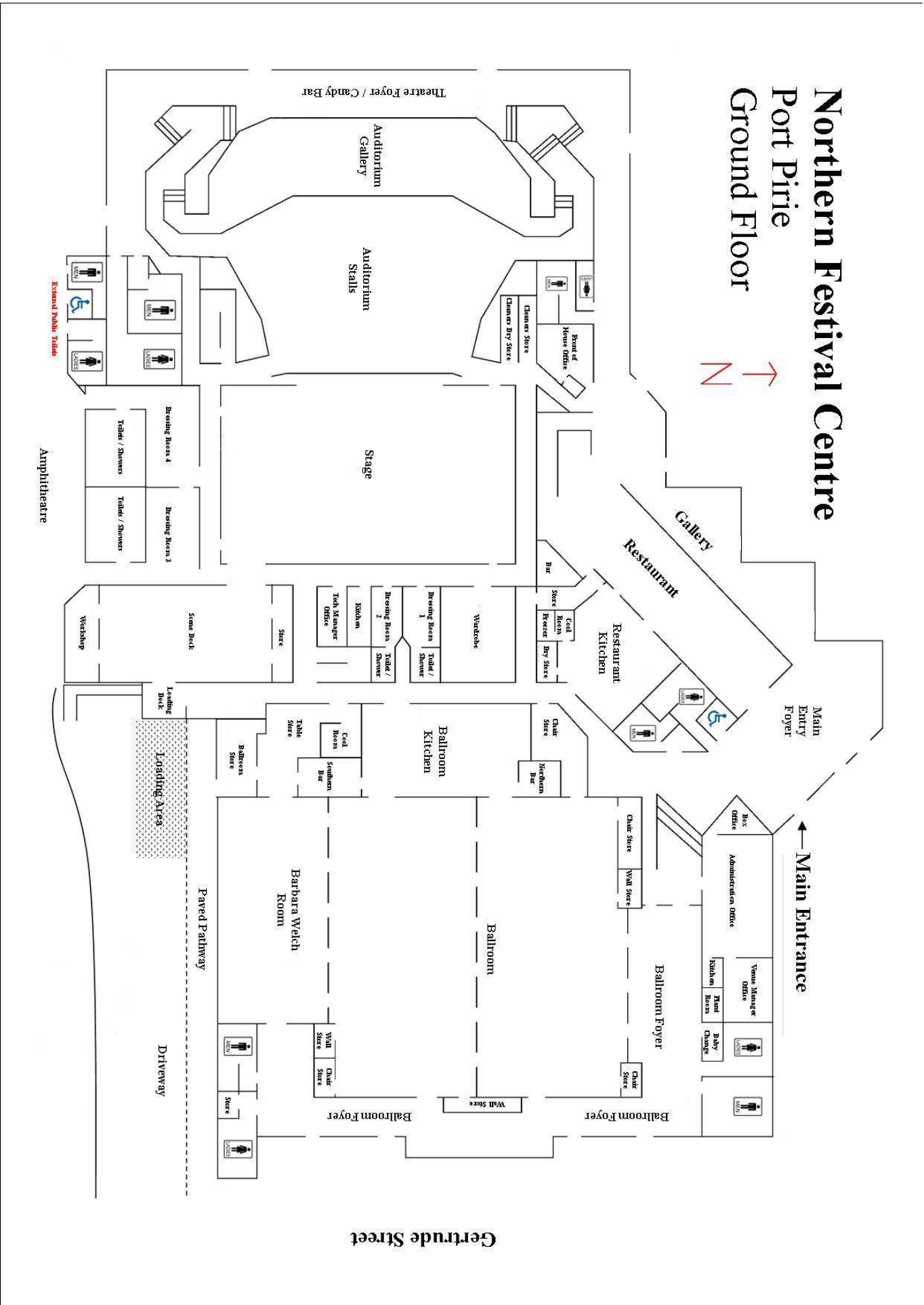
## Theatre Usage Guidelines

- Alterations to the structure and fittings of the Theatre are prohibited (including painting and drilling of holes into the stage floor). No painting of Scenery or Equipment is permitted on Stage. Glitter may not be used on Scenery or Costumes.
- Lighting and Sound Consoles are to be operated by Country Arts SA staff or by persons approved by Country Arts SA by prior arrangement only. The Public Health Authority has set a maximum sound level limit of 105 decibels. Country Arts SA has the authority to enforce this ruling.
- The use of Pyrotechnics, Smoke Machines (this includes Hazers, Foggers Etc) or Naked Flames (other than dry ice), will only be permitted with the appropriate South Australian Licences, and in the presence of a representative of the South Australian Metropolitan Fire Service which will be at the Hirer's expense. No Flammable Liquids or Explosive Material may be brought into the premises.
- All rigging of Scenery, Lighting etc. must comply with Occupational Health, Safety and Welfare Regulations, and Department of Industrial Relations Regulations. Country Arts SA may refuse the use of any Scenery, Lighting, Sound or other Equipment. The Counterweight Flying System is not to be used by persons under the age of eighteen years of age and only by persons approved by Country Arts SA by prior arrangement.
- Smoking in the Theatre is prohibited other than on Stage as part of the performance by prior arrangement. No Alcohol shall be brought into the premises, other than by prior arrangement. No Foodstuffs or Liquids may be taken onto the stage, other than as part of the performance by prior arrangement.
- Corridors surrounding the Stage must be kept totally clear of all Props and Scenery at all times. All Performers and Backstage Crew are to enter the Theatre via the Stage Door. Access is not permitted via the Theatre Foyer. No persons, other than members of the Production Crew will be permitted in the Auditorium and Foyer areas during rehearsals.
- The Theatre is fitted with GENIE GR20 elevated work platform to assist in rigging and focussing equipment above the stages. The platform will elevate to 20 feet above stage level (25 foot max working height). People wishing to use these platforms must produce their yellow Operator Training card as issued by the Elevating Work Platform Association of Australia as proof of training, before commencing work on these platforms.

**For technical advice please contact the Theatre on 08 8633 8500 or Technical Manager on 0427 007 252**

## KEITH MICHELL THEATRE - STANDARD HANGING PLOT

LINE NO.	DESCRIPTION	DISTANCE FROM INSIDE PROSCENIUM WALL (Stage Edge)	WEIGHTS FOR STANDARD RIG
1	SPARE	220 mm (1020mm)	2 Red
3	HOUSE TABS (House Curtain)	520 mm (1320mm)	2 Red + 8
5	TEASER	820 mm (1620mm)	2 Red + 3
7	TORMENTOR	1120 mm (1920mm)	2 Red + 3
8	SPARE	1270 mm (2070mm)	2 Red
10	LX 1 (1 x Nightlight / 1 x QI / 12 x Fresnels / 4 x 30° Profiles)	1570 mm (2370mm)	8 Red + 5
12	SPARE	1870 mm (2670mm)	2 Red
14	PROJECTION SCREEN (Not Movable To Any Other Line)	2170 mm (2970mm)	2 Red + 17
15	SPARE	2320 mm (3120mm)	2 Red
17	BORDER 1	2620 mm (3420mm)	2 Red + 3
19	LEG 1	2920 mm (3720mm)	2 Red + 3.5
22	LX 2 (12 x Fresnels / 2 x 30° Profiles)	3370 mm (4170mm)	8 Red + 8
24	SPARE	3670 mm (4470mm)	2 Red
25	SPARE	3820 mm (4620mm)	2 Red
28	SPARE	4270 mm (5070mm)	2 Red
30	BORDER II	4570 mm (5370mm)	2 Red + 3
32	LEG II	4870 mm (5670mm)	2 Red + 3.5
34	SPARE	5170 mm (5970mm)	2 Red
35	LX 3 (14 x Fresnels)	5320 mm (6120mm)	8 Red + 7.5
37	SPARE	5620 mm (6420mm)	2 Red
39	SPARE (Standard Position For Tabs 2)	5920 mm (6720mm)	2 Red
42	BORDER III	6370 mm (7170mm)	2 Red + 3
44	LEG III	6670 mm (7470mm)	2 Red + 3.5
47	SPARE	7120 mm (7920mm)	2 Red
48	LX 4 (14 x Fresnels)	7270 mm (8070mm)	8 Red + 7.5
52	SPARE	7870 mm (8670mm)	2 Red
53	BORDER 4	8020 mm (8820mm)	2 Red + 3
54	SPARE	8170 mm (8970mm)	2 Red
56	LEG IV	8470 mm (9270mm)	2 Red + 3.5
57	SPARE	8620 mm (9420mm)	2 Red
60	LX 5 (CYC Bar) (5 x Iris 4 Cyc Units)	9070 mm (9870mm)	8 Red + 10
63	SPARE	9520 mm (10320mm)	2 Red
65	SPARE	9820 mm (10620mm)	2 Red
67	SPARE	10120 mm (10920mm)	2 Red
69	SPARE (Standard Position For Tabs 1)	10420 mm (11220mm)	2 Red + 11
71	CYCLORAMA	10720 mm (11520mm)	2 Red + 3
	TABS 1 (Movable - Standard Position – Line 39)		2 Red + 11
	TABS 2 (Movable - Standard Position – Line 69)		2 Red + 11
Apron edge to inside Proscenium Arch 800 mm		Tormentor opening 11 m (adjustable)	
Projection Screen stage clearance 11780 mm		Gauze and Tabs are movable to any spare bar	
Proscenium Width: 12 m / Proscenium Height: 7.5 m		LX Bar Only (7 weights) / LX Bar + Loom (8 Weights)	
The <b>Red</b> weights counter balance the weight of the empty bar and should not be removed.			
Counter Weights: <b>Large:</b> 30 kg / <b>Medium:</b> 15 kg / <b>Small:</b> 7.5 kg			



**Northern Festival Centre**  
Port Pirie  
Upper Floor

