Theatre 3
Technical Specifications

Updated 27/07/2019 – Draft 7

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Stage and Auditorium

Stage
Brief Description:
Unraked stage with revolve and overhead grid. Wood underfloor covered with Masonite sheets. Screwing into surface permitted but larger holes to be authorised by head venue technician on duty.
Stage distributed load limit: **TBC**
Stage point load limit: **TBC**
Stage rake: None

Proscenium:
False proscenium at 1.3m from the back of the stage, 4.2m above stage level

Stage Dimensions:
Max: 16.6m wide x 11m deep, 4.2m high
Stage to underside of grid: 5m

Setting Line:
1.3m from the front of the stage

Overhead obstructions:
Mobile gantry at 3.4m above stage level.
Air conditioning ducts at 4.2m above stage level, extending 1.7m out from P & OP walls

Bump in Restrictions
Sets can be constructed and painted on site, please allow enough time in your booking to allow for you to finish your set build.
Sets must meet safety requirements, and be approved by head venue technician on duty before audience is permitted entry.
Moving of lighting bars can only be completed by the venue technical director.

Auditorium
Racked single level seating.

The auditorium is made up of 7 rows of fixed seats, and 1 row of removable seats, seats are removable in pairs for accommodating wheelchairs. H26/27, H1/2, H14/15 are also removable in pairs for servicing the follow spots, or adding live operating positions in the back row.

Maximum seating capacity: 188

Orchestra Pit
None Available
### Drapery

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Colour</th>
<th>Width</th>
<th>Height</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>House Curtain</td>
<td>Pink</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Borders</td>
<td>Velvet</td>
<td>Black</td>
<td>5.5m</td>
<td>1.2m</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Velvet</td>
<td>Black</td>
<td>5.5m</td>
<td>1.8m</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Wool ₡</td>
<td>Black</td>
<td>13.5m</td>
<td>0.63m</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Wool ₡</td>
<td>Black</td>
<td>12m</td>
<td>1.1m</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Wool ₡</td>
<td>Black</td>
<td>6.5m</td>
<td>0.68m</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Wool ₡</td>
<td>Black</td>
<td>13.5m</td>
<td>0.63m</td>
<td>2</td>
</tr>
<tr>
<td>Legs</td>
<td>Wool ₡</td>
<td>Black</td>
<td>2.5m</td>
<td>4.5m</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Velvet</td>
<td>Black</td>
<td>2.5m</td>
<td>4.5m</td>
<td>6</td>
</tr>
<tr>
<td>Cyclorama</td>
<td>Plastic</td>
<td>White*</td>
<td>12.2m</td>
<td>4.5m</td>
<td>1</td>
</tr>
<tr>
<td>Scrim</td>
<td>Sharks Tooth</td>
<td>Black</td>
<td>12m</td>
<td>4.5m</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Sharks Tooth**</td>
<td>Black</td>
<td>12m</td>
<td>4m</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Sharks Tooth</td>
<td>White</td>
<td>12.2m</td>
<td>4.4m</td>
<td>1</td>
</tr>
<tr>
<td>Tabs / Smother</td>
<td>Wool ₡</td>
<td>Black</td>
<td>7.5m</td>
<td>4.5m</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Velvet</td>
<td>Black</td>
<td>7.5m</td>
<td>4.5m</td>
<td>2</td>
</tr>
<tr>
<td>Tabs</td>
<td>Double Knit Gauze</td>
<td>White</td>
<td>4.4m</td>
<td>6.8m</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Double Knit Gauze</td>
<td>White</td>
<td>4.3m</td>
<td>5.6m</td>
<td>1</td>
</tr>
</tbody>
</table>

** Details can be found on our website, canberrarep.org.au/content/backdrops

* Originally white, the plastic has become discoloured with age, but remains consistent

** No rigging or ties attached

臊 Not available for offsite hire

### Access Equipment

**Gantry**

<table>
<thead>
<tr>
<th>Make/Material</th>
<th>Width</th>
<th>Length</th>
<th>Quantity</th>
<th>Heights</th>
<th>Quantity*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood</td>
<td>1.2m</td>
<td>2.4m</td>
<td>??</td>
<td>30cm</td>
<td>??</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>60cm</td>
<td>??</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1m</td>
<td>??</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1.2m</td>
<td>??</td>
</tr>
<tr>
<td>Wood</td>
<td>1m</td>
<td>1m</td>
<td>??</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Legs / Bases enough to build this many complete units

### Staging Units / Rostra

*Stage Covers*

None Available

*Stage Traps*

None Available
Loading Dock
Access via cobblestone car park off Repertory Ln, Max clearance 3.5m
Loading Door dimensions: 4.2m high, 1.5m wide

Lighting

Positions
Most bars can be moved, each bar is in halves that can be moved independently
With the false proscenium at the back of the stage, all measurements are made forward of this line

Grid Plan

<table>
<thead>
<tr>
<th>Bar #</th>
<th>Standard (centre) bar position</th>
<th>Min distance from False Proscenium</th>
<th>Max distance from False Proscenium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proscenium LX</td>
<td>-0.8m</td>
<td>-0.8m</td>
<td>-0.8m</td>
</tr>
<tr>
<td>False Proscenium</td>
<td>0.1m</td>
<td>0.1m</td>
<td>0.1m</td>
</tr>
<tr>
<td>0</td>
<td>0.1m</td>
<td>0.1m</td>
<td>2.9m</td>
</tr>
<tr>
<td>1</td>
<td>3m</td>
<td>1.8m</td>
<td>4.2m</td>
</tr>
<tr>
<td>2</td>
<td>5.24m</td>
<td>4.04m</td>
<td>6.44m</td>
</tr>
<tr>
<td>3</td>
<td>7.4m</td>
<td>6.2m</td>
<td>8.6m</td>
</tr>
<tr>
<td>4</td>
<td>9.22m</td>
<td>8.02m</td>
<td>10.42m</td>
</tr>
<tr>
<td>5</td>
<td>11.05m</td>
<td>9.85m</td>
<td>12.25m</td>
</tr>
<tr>
<td>6</td>
<td>13.2m</td>
<td>12m</td>
<td>14.4m</td>
</tr>
<tr>
<td>7</td>
<td>15.2m</td>
<td>14m</td>
<td>16.4m</td>
</tr>
</tbody>
</table>

Moving of lighting bars can only be completed by the venue technical director.

Centre bar: extends up the centre line of the stage, 1m from the false proscenium at the upstage end, to 7.1m from the false proscenium at the downstage end. This bar is not moveable.

Perches:
Perches are vertical bars fixed to the auditorium wall, on both left and right sides of the stage, perches extend up 1.9m.
The FOH perches are 1.6m in front of the setting line and 2.4m above stage level.
The side stage perches are 5.3m from the setting line and 1.6m above stage level.

Control
Available Positions: LX Control Booth (OP Side Auditorium), other positions as required
Lighting desk: MA Lighting GrandMA 2 On-PC Command Wing
Output Parameters: 1024
Signal distribution: Single stream DMX
Signal output: DMX512
Data distribution: DMX run to patch room, single DMX to centre of revolve at grid level

Dimmer Racks
Standard Total Dimmers: 72

Dimmer Locations: LX Patch Room (Behind LX Bio)
4 x 2.4Kw Dimmer Racks  Jands Roadpack Digital
1 x 2.4Kw 24ch Infrastructure dimmer

Max load per phase (distributed):  80amps

Additional Dimmer packs available (Hire charges apply)
1 x 2.4Kw 12ch Dimmer Rack  ???  
2 x 3.6Kw 6ch Dimmer Rack  ???

Portable 2ch dimmer, with wireless DMX receiver available by request

2 x Single channel dimmers attached to follow spots, with local, remote (attached to follow spot control arm), and DMX control options.

House Lights
Independent control:  No
Control positions:  From console (two dimmer channels required)
Fade time adjustable:  Yes

Stage Luminaries

Profiles

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Angle</th>
<th>Detail /Accessories</th>
<th>Wattage</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selecon</td>
<td>Acclaim Axial Zoomspot</td>
<td>18 – 34</td>
<td>6 gobo holders</td>
<td>600w</td>
<td>4</td>
</tr>
<tr>
<td>Selecon</td>
<td>Acclaim Axial Zoomspot</td>
<td>24 – 44</td>
<td></td>
<td>600w</td>
<td>8</td>
</tr>
<tr>
<td>Prolite</td>
<td>PR7 – ZPM</td>
<td>15 – 25</td>
<td>6 gobo holders</td>
<td>600w</td>
<td>8</td>
</tr>
<tr>
<td>Prolite</td>
<td>PR7 – ZPW</td>
<td>22 – 45</td>
<td></td>
<td>600w</td>
<td>4</td>
</tr>
<tr>
<td>Strand</td>
<td>T64</td>
<td>?? – 22</td>
<td>2 gobo holders</td>
<td>1000w</td>
<td>4</td>
</tr>
<tr>
<td>Strand</td>
<td>Patt 813</td>
<td>22 – 35</td>
<td></td>
<td>650w</td>
<td>8</td>
</tr>
<tr>
<td>Strand</td>
<td>Patt 23</td>
<td>20</td>
<td></td>
<td>650w</td>
<td>11</td>
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</table>

Fresnel’s

<table>
<thead>
<tr>
<th>Make</th>
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<th>Detail /Accessories</th>
<th>Wattage</th>
<th>Count</th>
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<tbody>
<tr>
<td>Selecon</td>
<td>Acclaim F</td>
<td>24 Barn doors</td>
<td>650w</td>
<td>24</td>
</tr>
<tr>
<td>Strand</td>
<td>Patt 803</td>
<td>Fitted barn doors</td>
<td>650w</td>
<td>3</td>
</tr>
<tr>
<td>Strand</td>
<td>Patt 123</td>
<td>12 barn doors</td>
<td>650w</td>
<td>10</td>
</tr>
<tr>
<td>Strand</td>
<td>Patt 743</td>
<td>12 barn doors</td>
<td>1000w</td>
<td>11</td>
</tr>
<tr>
<td>Strand</td>
<td>Harmony</td>
<td>4 barn doors</td>
<td>1000w</td>
<td>4</td>
</tr>
<tr>
<td>CCT</td>
<td>Starlette</td>
<td>6 barn doors</td>
<td>1000w</td>
<td>6</td>
</tr>
</tbody>
</table>

PC

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Detail /Accessories</th>
<th>Wattage</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selecon</td>
<td>Acclaim PC</td>
<td>4 barn doors</td>
<td>650w</td>
<td>4</td>
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</tbody>
</table>

Par Cans

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Angle</th>
<th>Detail /Accessories</th>
<th>Wattage</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>L#ED-Par36</td>
<td></td>
<td></td>
<td>RGB LED Mini Par 4ch DMX</td>
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<td>13</td>
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</table>

Wash

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Detail /Accessories</th>
<th>Wattage</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selecon</td>
<td>HUI 4</td>
<td>(4) cells per unit</td>
<td>500w/cell</td>
<td>6</td>
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</table>
LED Bar/Strobe

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Control Channels</th>
<th>Detail /Accessories</th>
<th>Watt</th>
<th>Count</th>
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<tbody>
<tr>
<td>None</td>
<td>Available</td>
<td>None</td>
<td>Available</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Follow Spots (Additional Hire Charges Apply)

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Angle</th>
<th>Detail /Accessories</th>
<th>Wattage</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR</td>
<td>Canto 1200TH MK2</td>
<td>8–22</td>
<td>1200w</td>
<td>1200w</td>
<td>2</td>
</tr>
</tbody>
</table>

Additional Lighting

<table>
<thead>
<tr>
<th>Item</th>
<th>Make</th>
<th>Model</th>
<th>Detail /Accessories</th>
<th>Wattage</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mirror Ball</td>
<td>30cm</td>
<td>30cm diameter ball with motor</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smoke Machine</td>
<td>Jem</td>
<td>Fogger MkIII</td>
<td></td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

Patching

12 Circuits per bar, 3 circuits per perch at FoH, 6 circuits per perch backstage, 6 circuits for the centre bar, and 6 circuits in the upstage cupboard.

A cross patch for 3 circuits is available between the OP side stage perch, and the upstage cupboard.

Power
donating to the revolve dips via upstage cupboard, 1 circuit.

| Power | 4 x 10amp GPO power (White) available at stage level, double power points located in traps at edges of stage, 2 circuits. 2 x 10amp GPO power (White) upstage cupboard. 4 x Blues power (Blue) available at stage level, double power points located in traps at edges of stage, to be used for backstage safety lighting. 1 x 32amp 3phase upstage OP. Refer to attached Stage Services layout.
|       | 1 x 32amp 3phase upstage OP. Refer to attached Stage Services layout. |

Cabling

Various lengths up to 10m available

Audio

Control and Amplification

Available Positions: Sound Control Booth (P Side Auditorium) Auditorium back row centre: typical hold 8 seats. Other positions as required.

Sound desk: SoundCraft SI Impact

System Processing: Various Graphic EQs, 31 band, total 8ch
Amplifiers: Various Amplifiers, total 14ch

Speakers
8 fixed speaker positions including FOH
- 2x FOH passive
- 2x Side Stage (can double as foldback) passive
- 2x Side Auditorium passive
- 2x Rear Auditorium passive
6 portable passive speakers (various sizes in pairs)
1 portable active speaker

Sources
Playback: CD Players, Denon DCD-615, E-Tunes Supplies CDX-3 (one dead controller channel)
Computer: QLab 4 with Audio licence, standard configuration includes 16 feeds to sound desk
Microphones: Available on request
Wireless Microphones: None available
Accessories: Microphone stands and other accessories available on request.

Patching
Microphone and 2 wire XLR Return patch points in traps at edge of stage, refer to attached Stage Services layout.
NL2 Speakon patch points at each of the fixed speaker positions (Except auditorium rear speakers).

Cabling
Audio Cable XLR cables, various lengths
Soundcraft Mini Stagebox 32R available on request, with Ethernet cabling up to 10m

Multimedia Visual

Projectors (Hire charges apply)

<table>
<thead>
<tr>
<th>Make &amp; Model</th>
<th>Native Resolution</th>
<th>Available Inputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEC NP1000</td>
<td>1024x768</td>
<td>VGA, DVI, Component, Composite</td>
</tr>
<tr>
<td>NEC VT770</td>
<td>1024x768</td>
<td>VGA, Component, Composite</td>
</tr>
</tbody>
</table>

Screens (Hire charges apply)

<table>
<thead>
<tr>
<th>Size</th>
<th>Front/Rear projection</th>
<th>Other Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>375cm</td>
<td>Front Projection</td>
<td>4:3 Aspect, Ceiling Rig, Electric, Remote Control</td>
</tr>
<tr>
<td>260cm</td>
<td>Front Projection</td>
<td>4:3 Aspect, Ceiling Rig, Manual</td>
</tr>
<tr>
<td><strong>TBA</strong></td>
<td>Front Projection</td>
<td>4:3 Aspect, Floor Stand</td>
</tr>
</tbody>
</table>

Television Displays

<table>
<thead>
<tr>
<th>Make &amp; Model</th>
<th>Size</th>
<th>Other Detail</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sony PVM-95E</td>
<td>12”</td>
<td>Black &amp; White CRT, CVBS 2ch</td>
<td>13</td>
</tr>
<tr>
<td>Sony LMD-1410</td>
<td>14”</td>
<td>Colour LCD, CVBS 2ch</td>
<td>4</td>
</tr>
<tr>
<td>Soniq QV150L/2</td>
<td>15”</td>
<td>Colour LCD, CVBS</td>
<td>1</td>
</tr>
</tbody>
</table>

AV Playback Equipment
QLab 4, not licensed for video, licence can be provided upon request, will incur a cost.
VHS/DVD Player available upon request.
**Cabling**
VGA cables various lengths
HDMI over Ethernet converters available
Ethernet cables various lengths
VGA & Composite to HDMI upscalers available
Composite cables various lengths
Composite & Ethernet video links available throughout theatre.
HDMI cables up to 2m available

**Backstage**

**Stage Management**

*Stage managers desk*, Off Prompt upstage corner. The desk can be moved to Prompt side stage, or into the green room. The desk is fitted with a light and multi-view stage view displays.

**Talkback**, Master unit Jands EziCom E400, 4 loops (Sound Bio), Submaster Jands EziCom E200, 2 loops (Lighting Bio)
  - Total sub stations 6
  - Total headsets 9 (including 1 dedicated to sound, 1 dedicated to lighting)
  *Allow for a sub station and headset to be allocated to the SM position*

Talkback patching locations:
  - SM OP
  - SM P
  - Follow Spots x2
  - LX Bio
  - Production Point
  - Foyer, behind bar

**Intercom**

AIPhone intercom system, phone positions:
  - SM OP
  - SM P
  - LX Bio
  - Sound Bio
  - Foyer
  - Dressing Room 1
  - Dressing Room 2

**Paging / Show relay**

Paging system is not available
Show relay is distributed to both dressing rooms, Lighting, Sound, and the foyer

**Stage View**

TV’s set-up in green room, foyer, SM position, lighting and sound, fed by main stage camera, located centre above back row.
Additional camera feeds to SM position, low light camera above back row beside Sound bio, Foyer
Box office, Foyer Bar & Outer foyer.
Additional cameras available upon request
Additional TV’s available, will incur additional cost
Cue Light System
4 Channel master station
4 outstations

**Dressing Rooms**

<table>
<thead>
<tr>
<th>Room</th>
<th>Capacity</th>
<th>Toilets</th>
<th>Shower</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change Room 1</td>
<td>4</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Change Room 2</td>
<td>6</td>
<td>Yes</td>
<td>Access via Change Room 1</td>
</tr>
<tr>
<td>Green Room</td>
<td>16</td>
<td>Access Via Change Rooms</td>
<td>Access via Change Room 1</td>
</tr>
</tbody>
</table>

**Green Room**
Tea / Coffee facilities: Kettle available
Fridge / freezer: Fridge / Freezer combo available
Microwave: Yes
Running water: Hot & Cole available in Change Rooms

**Laundry / Wardrobe**
Washing Machines: 1 available in change room 1
Dryers: 1 available in change room 1
Iron / ironing board: 2
Clothes racks: Mobile and fixed racks in dressing rooms and green room

**Production Facilities**
Production desk, a production desk can be setup in the middle of D row, accommodates up to 4 people, to use during rehearsals and plotting, with access to double power, double data, and a talkback patch. DMX and audio can be patched via the Ethernet data ports.

Production Office, None available

Phone, Available at Box Office

Fax, None available

Internet access, None available

**Stage Door**
Stage door is located at the back of the theatre, the door connects directly to the green room.

**Additional Facilities & Information**

**Orchestral**
Upright piano is available upon request, stage level only.

**Parking**
Parking beside the building in-front of the annex is reserved for Canberra Repertory staff only, there cannot be more than 2 cars parked here during performances, the stage manager may park here if outside of business hours.
Parking at the rear of the building can be used for Cast & Crew.
Staffing
Technical minimum staffing levels are:
1 x Venue Technician

A front of house manager must be on duty during performances, this person can be provided by the hirer, if the hirer is unable to provide a front of house manager, the venue will provide one at additional cost.
Appendix B: Lighting Patch Outlets

Note: Secondary Patch points for Bars 0 - 7 & Centre can be changed but must be reverted to their standard arrangements at bumpout.

Floor DIPS: (Contains White & Blue Power & Sound outlets)
Appendix C: Stage Plan & Dressing Room Plan

- Stage Door
- Green Room
- Change room 2
- Change room 1
- False Proscenium
- Setting Line
- AC Ducting
- Loading Door
Appendix D: Parking & Site Plan

- REP Staff Parking & Emergency vehicle access
- General Public Parking
- Theatre 3
- REP Annex
- Cast & Crew Parking

[Diagram showing the layout of the parking and site plan with labels for each area]