



THE  
ROUND

# THEATRE

## Technical Specifications

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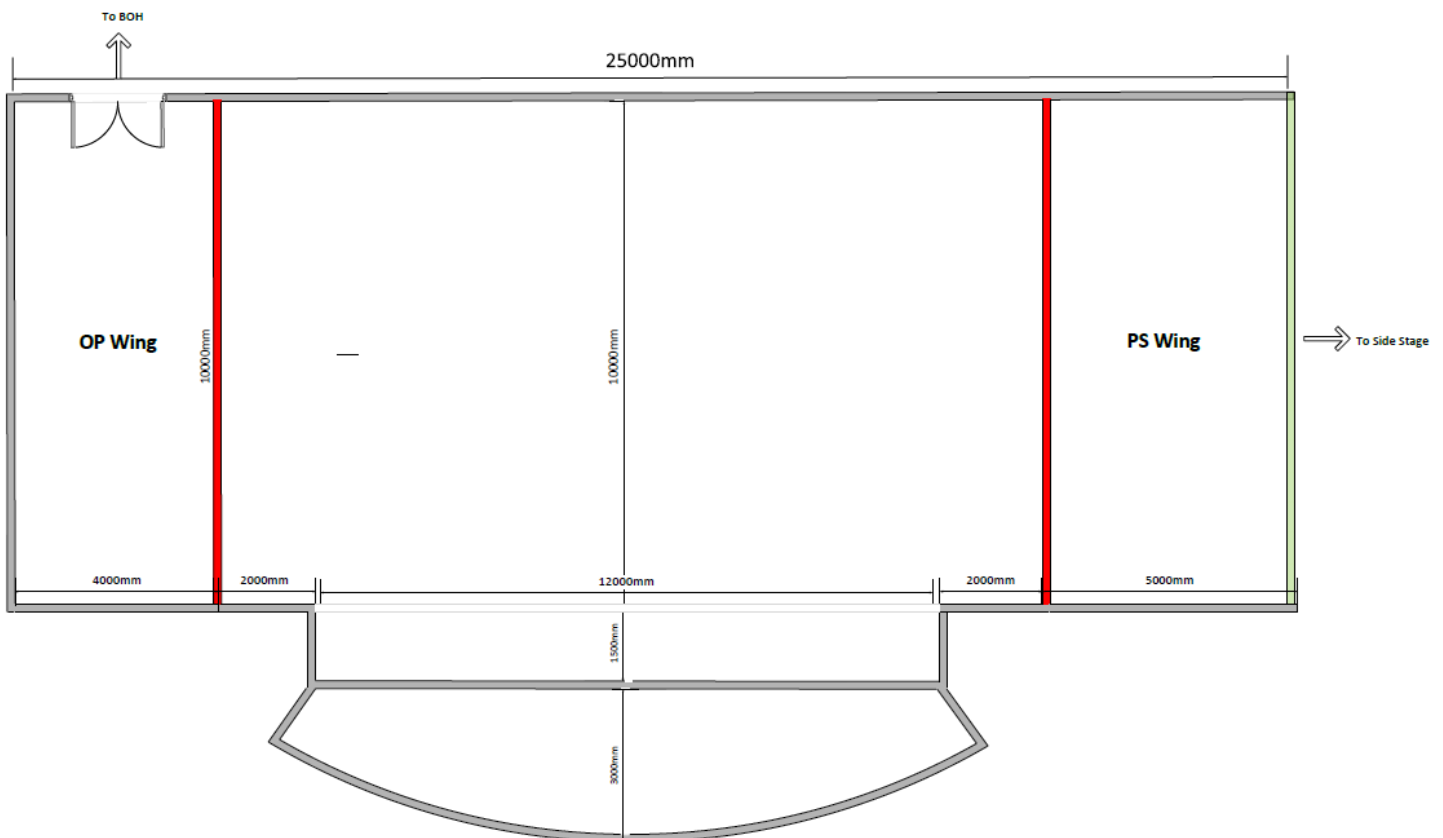
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# Stage

## Brief Stage Description

Unraked stage with a proscenium arch and flying facilities. Structural plywood floor (Weathertex) with paint finish. Any fixing of items to stage or walls requires prior authorisation by Technical & Venue Services Team Leader.

Stage distributed load limit	<b>750kg / m<sup>2</sup></b>
Stage Point load limit	<b>450kg / m<sup>2</sup></b>
Stage Rake	<b>No</b>



## Stage Dimensions

*SL – Setting line, CL – Centreline, DS – downstage, US – upstage, PS – prompt side, OP – opposite prompt*

Setting line position **Upstage edge of proscenium**

Proscenium width **12000mm**  
 Proscenium height **7000mm**  
 Proscenium depth **10000mm**

SL to DS edge of apron **1500mm**  
 SL to DS edge of orchestra pit **4500mm**  
 SL to last upstage fly line **8750mm**  
 SL to rear wall **10000mm**  
 CL to OP wall (or obstruction) **11900mm**  
 CL to PS wall (or obstruction) **16000mm**  
 Stage to underside of grid / roof **17500mm**  
 US edge of pit to last upstage fly line **10000mm**

## Overhead Obstructions

US Gallery Crossover height **8750mm**  
 Forestage Catwalk height **8750mm**  
 PS Gallery height **8750mm**  
 OP Gallery height **8750mm**  
 Proscenium height **7000mm**

## Auditorium

Auditorium consists of stalls 626 seats. Seating capacity is 580 if orchestra pit seating is not utilised.

## Orchestra Lift/Pit

The orchestra lift system must be operated by the venue technician only.

*Set positions for orchestra lift include:*

Seating level with seating rostra	<b>Level with auditorium</b>
Stage level	<b>1000mm above auditorium</b>
Orchestra Pit playing level	<b>1400mm below auditorium</b>
Orchestra Pit Capacity	<b>28 musicians and 1 conductor</b>
Orchestra Pit distributed load limit	<b>750kg / m2, maximum 6,000kg</b>
Orchestra Pit Point load limit	<b>450kg /m2</b>
Dimensions of Orchestra Pit	<b>12000mm x 4000m useable area</b>

## Flying Facilities

All flown items must have fit-for-purpose pickup points and is subject to approval by a venue representative. Limited rigging gear available in-house. The Round reserves the right to refuse the flying of any item at any time.

*The Round has a hybrid system comprising of:*

- Motorised hoists for control of LX bars and house curtain
- Manual counterweight rigging linesets to support scenery, drapery, and other staging components

Operating position	<b>Stage Level, OP</b>
Total number of lines	<b>43 + panorama lines</b>
LX Lines	<b>Spot bars with power/DMX 48 O.D pipe batten</b>
Panorama Lines	<b>2 bars OP and 2 bars PS, 1 bar with (8) lighting ladders 48.4 OD pipe, 1 bar with tabs</b>
Batten flight height	<b>16700mm</b>
Batten type	<b>50mm x 75mm x 5mm 50/75 RHS continuous weld</b>
Batten length	<b>16000mm</b>

Batten extension	<b>Yes – 1m extensions, 100kg WLL</b>
LX bars can be swung	<b>No</b>
Fly bars can be swung	<b>Yes – Team leader approval must be obtained</b>
Batten W.L.L.	<b>500kg</b>

## Hanging Plot

**Line type:** *SP* – single purchase, *MH* – motorised hoist, *WLL* – maximum distributed load including bar weight

Line #	mm from SL	Line Type	W.L.L of lineset	Venue Allocation	Intended Use (hiring company use)
1	200	SP	500kg		Available – general purpose batten
2	400	MW	650kg	House Curtain	1.2m/sec - variable speed
3	600	SP	500kg		Available – general purpose batten
4	800	SP	500kg	Border	Not available
5	1000	SP	500kg	Leg	Not available
6	1200	SP	500kg		Available – future general purpose batten
7	1400	MW	500kg	LX 1	0.5m/sec - fixed speed
8	1600	SP	500kg		Available – future general purpose batten
9	1800	SP	500kg		Available – general purpose batten
10	2000	SP	500kg		Available – general purpose batten
11	2200	SP	500kg		Available – general purpose batten
12	2400	SP	500kg		Available – general purpose batten
13	2600	SP	500kg		Available – general purpose batten
14	2800	SP	500kg	Border	Not available
15	3000	SP	500kg	Leg	Not available
16	3200	SP	500kg		Available – general purpose batten
17	3400	SP	500kg		Available – general purpose batten
18	3600	SP	500kg		Available – future general purpose batten
19	3800	MW	500kg	LX 2	0.5m/sec - fixed speed
20	4000	SP	500kg		Available – future general purpose batten

<b>21</b>	4200	SP	500kg		Available – general purpose batten
<b>22</b>	4400	SP	500kg		Available – general purpose batten
<b>23</b>	4600	SP	500kg	MS tab	Not available
<b>24</b>	4800	SP	500kg	Border	Not available
<b>25</b>	5000	SP	500kg	Leg	Not available
<b>26</b>	5200	SP	500kg	Proj. screen	Not available
<b>27</b>	5400	SP	500kg		Available – general purpose batten
<b>28</b>	5600	SP	500kg		Available – future general purpose batten
<b>29</b>	5800	MW	500kg	LX 3	0.5m/sec - fixed speed
<b>30</b>	6000	SP	500kg		Available – future general purpose batten
<b>31</b>	6200	SP	500kg		Available – general purpose batten
<b>32</b>	6400	SP	500kg		Available – general purpose batten
<b>33</b>	6600	SP	500kg		Available – general purpose batten
<b>34</b>	6800	SP	500kg	Border	Not available
<b>35</b>	7000	SP	500kg	Leg	Not available
<b>36</b>	7200	SP	500kg	Scrim/gauze	Available
<b>37</b>	7400	MW	500kg	LX 4	0.5m/sec - fixed speed
<b>38</b>	7600	SP	500kg		Available – future general purpose batten
<b>39</b>	7800	SP	500kg		Available – general purpose batten
<b>40</b>	8000	SP	500kg		Available – general purpose batten
<b>41</b>	8200	SP	500kg	US tab	Not available
<b>42</b>	8400	SP	500kg		Available – general purpose batten
<b>43</b>	8600	SP	500kg	Cyclorama	Not available
<b>OP1</b>		SP	500kg	Pano bar - LX	LX ladder assembly weight: 182kg
<b>OP2</b>		SP	500kg	Pano bar - Tabs	
<b>PS1</b>		SP	500kg	Pano bar – LX	LX ladder assembly weight: 182kg
<b>PS2</b>		SP	500kg	Pano bar - Tabs	



## Drapery

*Type	Material	Colour	Width	Height	Quantity
House Curtain	100% Combed Cotton	Black	8000mm	8500mm	2
Borders	80% Wool, 20% Polyester	Black	16000mm	3000mm	4
			16000mm	4500mm	2
Legs	80% Wool, 20% Polyester	Black	3000mm	9000mm	5 pair
Tabs / Smother	80% Wool, 20% Polyester	Black	8000mm	8500mm	2 pair
Cyclorama	Plastic	White			1
Star cloth		Black			1
Silver Fog Finish cloth	Spandex	Silver	14000mm	8000mm	1
Sequin drape		Black	1200mm	6000mm	2
Gauze	100% Cotton	Black	16000mm	9000mm	1

## Access Equipment

### *Elevated Work Platform*

#### **Haulotte Vertical Mast STAR 10 self-propelled single person lifter**

Must be operated by a Venue Technician unless prior approval obtained by Technical & Venue Services Team Leader

One additional staff member to be located at base whilst in use.

Maximum reach **10000mm**

Maximum drivable height **8000mm**

Maximum lift capacity **200kg**

## Staging Units

- (8) Ezy Staging Units 2.4m x 1.2m x 400/600mm (variable height)
- (6) Tread units

## Safety Curtain

Safety Curtain installed **No**

## Loading Dock

The loading dock is shared across multiple spaces in The Round. Access to the loading dock is by prior arrangement with the Venue and Technical Services Team Leader. Truck access is via The Round car park.

Door dimensions	<b>7500mm High</b> <b>3950mm Wide</b>
Loading dock lift:	<b>1420mm x 1600mm x 2170mm</b> <b>1500kg WLL</b>

## Lighting

### Positions

#### Stage LX Bars

LX Bars cannot be swung. See hanging plot for standard LX bar locations.

#### FOH Catwalk 1

Setting Line to lighting bar	<b>5750mm</b>
Usable bar width	<b>14700mm</b>
Notes -	

#### FOH Catwalk 2

Setting Line to lighting bar	<b>11250mm</b>
Usable bar width	<b>14700mm</b>
Notes -	
Notes N/A	

## Standard Rig

- LED Profile wash (6 colour mixing LED ellipsoidal) FOH & onstage

- Moving Head Wash FOH and onstage
- LED Cyc wash
- Profile downlight 9 dots

## Dimmer Racks/Power

Total Dimmers **(30) LSC Gen VI 12 channel X 10amp**

3 Phase Outlets available. Please discuss with Venue & Technical Services Team Leader for further details about location and quantity.

## House Lights

Independent control **Yes – controlled by Dali**  
 Control positions **Control Room, PS and OP wings**  
 Fade time adjustable **Yes**

## Stage Luminaire

### Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
<b>Prolights</b>	EclProfile CT PLUS		(20) Gobo holders to suit, (32) irises, (32) homogenising filters	264W	<b>32</b>
<b>Prolights</b>	Zoom EclProfile Lens	15°-30°			<b>6</b>
<b>Prolights</b>	Zoom EclProfile Lens	25°-50°			<b>9</b>
<b>Prolights</b>	EclProfile Lens	19°			<b>7</b>
<b>Prolights</b>	EclProfile Lens	26°			<b>10</b>
<b>Selecon</b>	SL	15°/32°	(6) Gobo holders B size	650W	<b>6</b>

## Cyc Wash

Make	Model	Detail / Accessories	Watt	Total
Prolights	EclCyclorama 050		170W	14

## Movers

Make	Model	Control Channels	Detail / Accessories	Watt	Total
ShowPRO	R3 Wash	16/20		310W	14

## Follow Spots

Make	Model	Angle	Detail / Accessories	Watt	Total
Robert Juliat	OZ LED		GT 4000R stand	600W	2

## Additional

Item	Model	Model	Detail / Accessories	Watt	Total
Mirror Ball	Bright Light LMB-24		600mm diameter with motor		1
Hazer	Martin	Unique	DMX controlled		2

## Production Desk

### MA Lighting Grand MA3 Light CRV

Enclosed Control Room with operable windows at rear of auditorium, accessible via level 1.

Alternate accessible production desk configuration can installed be mid-stalls. Table accommodates 2 people with DMX, comms talkback, and audio patch lines.

## Cabling

### 240v Extension Cable

The theatre has a good stock of extension leads to accommodate The Round standard lighting rig.

## Audio

### Control and Amplification

#### Primary Mixer

Allen & Heath dLive S7000, dual redundant MPS16 power supply  
 dLive DM64 MixRack  
 GX4846 audio expander (floating)

#### Amplifiers

4 x d&b audiotechnik 40D amplifier  
 1 x d&b audiotechnik 5D installation amplifier  
 2 x d&b audiotechnik D20 quad channel amplifier

EQ	<b>A&amp;H dLive S7000</b>
FX	<b>A&amp;H dLive S7000</b>
Compression / Limiter	<b>A&amp;H dLive S7000</b>

### Speakers

FOH Speakers (Left and Right)	<b>8 x d&amp;b audiotechnik Y8</b>
	<b>4 x d&amp;b audiotechnik Y12</b>
	<b>12 x d&amp;b audiotechnik 44s</b>
Subs (Centre hung) -	<b>4 x d&amp;b audiotechnik Y-SUB</b>
Additional speakers (Foldback/front fill)	<b>8 x d&amp;b audiotechnik MAX2</b>

### Control Positions

#### Auditorium

Primary sound mix position at rear of auditorium in Row U.

Alternate audio operating position mid-stalls between Row J and Row K. Seats must be allocated if company desk is to be placed in this position. Table accommodates 2 people with DMX, comms talkback, and audio patch lines.

## Control Room

Enclosed Control Room with operable windows at rear of auditorium, accessible via level 1.

## Playback

Item	Make	Model	Detail	Total
Mac Mini	Apple		QLab 5, iTunes	2
CD/USB Player	Tascam	CD200SB		1

## Microphones & Dis

Make	Model	Detail / Accessories	Use	Total
Sennheiser	EW500G4-GBW	Wireless set (RX, beltpack TX)		25
Sennheiser	SKM500-G4 with MMD945-IBK capsule	Wireless handheld		16
DPA	4066-OC-A-F00-LH	Wireless headset		4
JAG	IMX6A	Wireless headset		25
Sennheiser		Lapel mic		2
Beyer	M88	Dynamic hyper-cardioid	Vocal/instrument	2
Beyer	M201	Dynamic hyper-cardioid	Instruments/drum	2
DPA	4011C	Cardioid condenser	Instrument/choir	10
Shure	Beta SM58	Dynamic hyper-cardioid	Vocals	12
Shure	SM57	Dynamic cardioid	Instrument	6
Sennheiser	E835S	Dynamic cardioid switch	Vocals	4
Shure	52A	Large diaphragm dynamic	Kick/bass	1
AKG	D112	Large diaphragm dynamic	Kick/bass	1
Sennheiser	E904	Dynamic cardioid	Drum	5
Audix	DP5A	Pro 5-piece pack	Drum	1

Rode	NT55	Pencil condensers	Overheads	6
sE Electronics	SE1-A	Pencil condensers	OHS, strings, piano	4
Shure	Microflex	Gooseneck condenser	Lectern	2
AKG	HM1000	Cardioid condenser	Choir	6
Shure	Beta 91a	Condenser Lo Z boundary	Kick, tap, instru.	
Radial	JDI	Passive DI		12
Radial	JDI Stereo	Passive DI		6
Radial	USB-PRO	24 BIT USB Stereo DI		3
Radial	BT-PRO	Bluetooth stereo receiver		2

## Accessories

Item	Model	Detail	Total
Microphone Stands	K&M	Tall telescopic boom with tripod base	18
	K&M	Tall telescopic straight with round base	4
	K&M	Tall telescopic boom with round base	6
	K&M	Short telescopic boom with tripod base	10
	K&M	Short telescopic boom with round base	8
	K&M	Table stand	4

## Cabling

The theatre has a good stock of cables to accommodate the venue's audio equipment. The inventory includes 3 pin XLR, Speakon and Cat 6 cabling. If additional audio equipment is being brought in additional cabling will be required.

## Audio Visual

### Projection Room

- 1x Extron DXP HD 4K Plus video matrix switcher with I/O cards
- 2 x 10" AV touch screens in Control Room and stage
- 1x Mac Mini with QLab 5
- \*Mac users required to bring in own VGA/HDMI adaptors for laptops

### Playback Options

- USB
- CD/DVD
- Laptop with HDMI connectivity

### Projector

1 x Panasonic PT-RQ25KE, 3-Chip DLP, 4k Laser projector,

Lumens	<b>20k</b>
Native Resolution	<b>3840 x 2400</b>
Aspect Ratio	<b>16:10</b>

Projector located in control room at rear of auditorium. Projector can be moved in consultation with Technical & Venue Services Team Leader.

*Video imaging should be in UHD format – 4K (4096x2160P)*

### Projection Surfaces

- VarioClip flown front projection screen 9000mm W x 5000 H, line 26
- Cyclorama can be used as a projection surface

### Streaming

Live stream (audio and vision) to FOH and BOH displays via performance relay system



## Backstage

### Communications

Stage Manager's desk is located prompt side corner. The desk can be moved within its area and is fitted with a light, clock, stage video and audio, talkback and dressing room paging.

#### Talkback

Master Unit	<b>Clearcom FSII-BASE-II</b>
Total sub stations	<b>10 beltpacks (wired) with headsets, 6 wireless beltpacks (FSIIBP) with headsets</b>

#### Paging / Show relay

Paging to the dressing rooms is available from the stage manager's desk. Show relay is distributed to all dressing rooms and greenroom.

#### Stage Monitor

Show relay is set-up in all Dressing Rooms, Green Room, Foyer and SM position.

#### Cue Light System

In house cue light system available	<b>Yes – Leon Audio QLM16 Mk4</b>
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### Production Facilities

Production Office	<b>Yes. Dressing room 8 can be used as an office</b>
Phone	<b>No</b>
Fax	<b>No</b>
Internet Access	<b>Yes</b>

### Greenroom

Tea / Coffee facilities	<b>Yes</b>
Fridge/Microwave	<b>Yes</b>

Running water **Yes**

## Dressing Rooms

Dressing rooms will be allocated based on the number of personnel associated with the production.

Dressing Room	Capacity	Toilet	Shower	Notes
DR 1	12 PAX	Yes	Yes	
DR 2	12 PAX	Yes	Yes	
DR 3	20 PAX	No	No	
DR 4	20 PAX	No	No	
DR 5	2 PAX	Yes	Yes	DDA compliant
DR 6	8 PAX	Yes	Yes	
DR 7	8 PAX	Yes	Yes	DDA compliant
DR 8	2 PAX	Yes	Yes	Dressing Room/Touring Office
DR 9	2 PAX	Yes	Yes	
Musicians Rm	29 PAX	No	No	

## Laundry / Wardrobe

The laundry is a shared facility which services multiple spaces within The Round and users will not have exclusive access.

Washing Machines **Yes**

Dryers **Yes**

Iron / ironing board **Yes**

Clothes racks **21 mobile racks**

## **Additional Facilities & Information**

### **Hearing Augmentation**

Hearing Augmentation System includes Listen Technologies system with induction loop and 24 receivers.