

CLARENCE ST THEATRE

TECHNICAL SPECIFICATIONS

Updated January 2022

STAGE

Stage dimensions	
10.8m	Width of proscenium opening
5.5m	Height of proscenium opening
19.6m	Width of stage - wall to wall
11.6m	Depth of stage - front to back
4.2m	Pit stage area - Apron of stage
14.5m	Stage to grid
7.5m	Stage to fly rail
<p>Please note: We have a fire curtain installed on our stage. It is necessary to keep the area in which this curtain drops clear of any props or scenery. The position of this is approximately 150mm wide just inside the pro arch. Please keep clear access to the two permanent ladders in the stage area.</p>	

Stage cloths and curtains	
4 x Black legs	2.4m x 7.1m (two legs on OP and two legs on PS)
3 x Black borders	13.5m x 7.2m
3 x Black curtains	13.5m x 7.2m (one on tab track, two hung on bars)
1 x White Cyc	Full white PVC Cyclorama at the very back of the stage for projections

Main loading dock door	
<p>Please note: There is a dimmer floor that sits above the loading dock. This restricts the headroom for sets entering in through the dock. There is a switchboard area by the dock - please keep this area clear.</p>	
2.4m	Height
2.95m	Width
0.55m	Height above ground level

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Stage power - Located at the mains distro board on OP	
8 X	10A single phase GPO
2 X	15A single phase GPO
2 X	PDL565 32A 3 phase
2 X	Ceeform 63A 3 phase
1 X	Set of 400A powerlocks

LIGHTING

Lighting console	
1 X	GrandMA onPC Command Wing XT

Light Fixtures		
The following fixtures are part of our standard house rig		
36 X	6" Harmony Fresnel (No barndoors)	1kw
18 X	1200 High Performance Fresnel (With barndoors)	1.2kw
5 X	Selecon 4way Aura Cyc Lights	1kw/compartment
12 X	1200 Selecon Mark 2 Zoomspost - Medium	1kw
5 X	1200 Selecon 5.5o - 14o Condensor Zoomspots - Narrow	1kw

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The following light fixtures are NOT part of our standard house rig.

Below is a list of extra fixtures we have on hand, these are not hung. Any changes to our standard rig must be reinstated, please factor this into your packout.

11 x	6" Harmony Fresnals (no barndoors)	1kw
2 x	Harmony PC's	
3 x	1200 High performance Fresnals (with barndoors)	1.2kw
6 x	14/35 Pacific Profiles	
2 x	5/13 Pacific Zoomspots	

Dimmer and ancillary equipment

Located on the dimmer floor which is on OP side of stage, above the dock door are the following:

60 Dimmers	5 X LSC rack mounted
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Located up on the lighting bridges are the following:

48 Dimmers	Jands FP12 wall mounted
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Patching

Onstage	Onstage patching all terminates in patchable tails at the dimmer floor area (located above the loading dock)
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FOH bridges	Patching terminates in patchable tails at FOH bridge
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FOH Lighting positions											
FOH 1	2.0m in front of the apron stage edge. 8.5m stage level to bar. 7.5m stage level to ceiling below bar. This bar is in six sections. See example below.										
Please note: Angles from FOH 1 allow much deeper penetration of the stage area than FOH 2.											
FOH 2	5.0m in front of the apron stage edge. 9.75m stage level to bar. 8.85m stage level to ceiling below bar. This bar is in six sections. See example below.										
Please note: FOH 2 is needed to light the front areas of the main stage as LX bar 1 (onstage) flies approximately 800mm back from the pro arch line.											
Example of FOH 1 and 2 in six sections: <table style="margin-left: 100px; border: none;"> <tr> <td style="text-align: center;">-----100-----</td> <td style="text-align: center;">100-----</td> <td style="text-align: center;">400-----</td> <td style="text-align: center;">100-----</td> <td style="text-align: center;">100-----</td> </tr> <tr> <td style="text-align: center;">900</td> <td style="text-align: center;">1700</td> <td style="text-align: center;">1600</td> <td style="text-align: center;">1600</td> <td style="text-align: center;">1700 900</td> </tr> </table>		-----100-----	100-----	400-----	100-----	100-----	900	1700	1600	1600	1700 900
-----100-----	100-----	400-----	100-----	100-----							
900	1700	1600	1600	1700 900							
Perch 1	2.0m in front of the pit edge. 2.6m above stage to bottom of perch. 3.8m of usable height in perch.										
Please note: Angles from perch 1 make this position only useful for side lighting as the angle from this perch tends to cut off one half of the stage diagonally across the stage.											
Perch 2	5.0m in front of the pit edge. 2.6m above stage to bottom of perch. 5.2m of usable height in perch.										
Balcony Bar	This is a bar mounted along the front edge of the balcony giving a flat angle into the stage and also a good position for throwing colour washes onto the auditorium ceiling. There is no looming on this bar and it has a weight restriction.										

Onstage lighting positions	
Please note: We have 5 LX bars on stage. LX bars 1 to 5 are double hung pipes on winches and therefore are not capable of being moved.	
LX Bar 1	800mm from the pro arch. The looming on this double hung bar carries 30 circuits
LX Bar 2-5	There are 24 circuits available on each of these bars
All onstage patching sockets run back to the main patch panel on our dimmer floor. The dimmer floor is 2.5m off the stage located on the OP wall of the theatre above the main loading dock	

SOUND

In-House PA System	
Turbosound Speaker System	
1 per side	THL-818.2 Subs (18")
1 per side	THL-811.3 Mid/High
1 per side	THL-2 Long throw
3 X	TCS-56 Centre cluster
2 X	TCS-230 Front fills
3 X	TCS-12M Monitor wedges
<p>The three way stereo left and right speakers are flown in front of the proscenium arch approximately 4.0m above stage level. The two-way centre cluster of speakers is mounted within the ceiling of the auditorium which is above the orchestra pit. The 18" subs are mounted in the proscenium arch base. The two front fill speakers for the front edge of the stage and the foldback wedges can also be provided.</p>	
<p>Please note: We do not have microphones, stands, speaker or mic cabling in-house but these can be provided by our supplier at a cost.</p>	

Sound Console	Midas M32 Live
Digital snake (stage box)	2 x Midas DL16 (16 Inputs, 8 Outputs)

Mic waylines	
All waylines are terminated in XLR patch fields at each end	
From stage (OP)	12 mic waylines
From stage (PS)	11 mic waylines
From stage (OP) to Pit	12 mic waylines
Return Waylines:	

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Mic waylines	
All waylines are terminated in XLR patch fields at each end	
From stage (OP)	12 mic waylines
Sound console to rack	1-12 are dedicated to the in-house PA system
Side of stage (OP)	13 - 24 are available for use

GRID

Grid Layout	
150mm	Fire curtain
250mm	House curtain
800mm	V in grid, winch position of spot bar 1
1100mm	Sprinkler pipe
2000mm	Tab 1 winch position
2300mm	V in grid
3100mm	Winch position of spot bar 2
3700mm	V in grid, RSJ below grid
4000mm	Sprinkler pipe
4300mm	Tab 2 winch position
5100mm	V in grid
5400mm	Winch position of spot bar 3
6500mm	V in grid
6950mm	Sprinkler pipe

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7600mm	Winch position of Spot bar 4
7900mm	V in grid, RSJ below grid
9000mm	Tab 3 winch position
9250mm	V in grid
9770mm	Sprinkler pipe
10,000mm	Winch position of spot bar 5
10,800mm	V in grid
11,200mm	Last possible flying position

FLYING

There are 24 sets of lines available for flying on. This is counting the lines we normally fly our masking on. They are all hand lines. We have a number of whipping sets and canvas counterweight bags available. There are 3 tab bars single hung on winch lines which are operated from the PS stage floor level. The SWL on the winches is 300kg. Our wooden head battens are 13.5m long. There are 3 tab tracks available.

The maximum distributed load for hand lines is 75kg

The Maximum point load for anywhere on the batten is 25kg

Please note:: There are several things to consider when laying out a flying plan for this theatre. There are several places in the grid that are difficult or impossible to fly in.

- Clearance around a fire pipe to next rope position is approximately 150mm
- Clearance around a V in the grid to next rope position is approximately 200mm
- It is possible to fly a single set of lines in the centre of each V but we only have two sets of blocks available at present that will fit in this position.
- It is impossible to fly through the two V's which have RSJ's below them
- Each single line block takes 200mm of space in the grid
- Each triple line block takes 250mm of space in the grid. This means that although cloths can be flown at 200mm centres, this cannot be maintained over a large number of cloths

ACCESS EQUIPMENT

Genie scissor hoist

A Genie GR 20 electric self-propelled scissors hoist is usually available for focusing and rigging. Maximum working height is 6.5m. Maximum lift capacity is 150kg. Hirers should have the relevant qualification and knowledge to operate this piece of equipment.

Note: Please forward the appropriate lighting, sound and rigging schedules well in advance of your booking to be sure the equipment is available

AUDITORIUM SEATING CAPACITY

DIFFERENT MODES	STALLS	BALCONY	TOTAL
THEATRE SEATING MODE	406	144	550
RESTAURANT SEATING MODE	260	144	404
STANDING MODE	756	144	900
Please note: Eight seats will be reserved as 'house seats' from the saleable capacity			

Comms

We have 5 stations of clearcom hard wired comms available.

Piano

There is a Yamaha upright piano available for use. Tuning will incur a fee

Internet

WIFI available

Dressing Rooms

Below the stage are 6 dressing rooms, a green room area and unisex toilets/showers. The dressing rooms are equipped with mirrors and makeup lights. There is an iron and ironing board available. Access to the stage is via a stairwell on both the PS and OP side of stage.

Dance Studio

14.5m x 8.6m. This space can be used as a rehearsal space. It is equipped with heating/cooling, full length mirrors, ballet barres and a sound system. This space is generally not available Tuesday - Thursday from 3pm - 7pm during school terms. There is a charge of \$20 per hour should you wish to hire this space.

Studio 2 (Workshop space)

8m x 8m. This space serves a multi-functional use and is ideal for use for pre-show functions, meetings, after show gatherings or just an extra space for large casts. The studio is often used for storage and workshop requirements (set assembly and wardrobe) for our larger shows, but has been used for added rehearsal space and dressing room area as well. It is situated next to our dance studio and directly behind our back-of-stage doors, for convenient access