

TECHNICAL SPECIFICATIONS

HER MAJESTY'S THEATRE



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Once regarded as the finest theatre in Australia, back in her Tivoli days, Her Majesty's Theatre has been reinvigorated, returning her to world-class status. Built in 1913, Her Majesty's Theatre has undergone a number of remodelling and building projects over the years and the final redevelopment was completed in 2020.

A stylish fusion of modern architecture, whilst still maintaining the integrity of the original heritage design; the gorgeous proscenium theatre, seating close to 1,500 people across three levels, will redefine the audience and artist experience.

The Maj is truly a world class theatre, with state-of-the-art lighting and sound technology, the widest proscenium arch and deepest fly tower of any commercial theatre in Australia, and a rehearsal room the same size as the stage itself. The building has also been designed to allow for greater patron accessibility, bars and amenities on every level, plus stunning views of the Adelaide Hills and city surrounds from the upper levels.

HER MAJESTY'S THEATRE

58 Grote Street,
Adelaide, SA, 5000

ADELAIDE FESTIVAL CENTRE TRUST

GPO Box 1269
Adelaide, SA, 5001

CONTENTS

AUDITORIUM DETAILS	3
ORCHESTRA PIT	3
PIT LIFT	3
MIXER SEATS	3
STAGE DETAILS	4
STAGE WIDTH	4
STAGE HEIGHT	4
UPSTAGE	4
DOWNSTAGE	4
BACK STAGE	5
WORKING LOAD LIMIT	5
ONSITE ACCESS EQUIPMENT	5
HANGING PLOT	6
STANDARD RIG	7
STAGE	7
LOADING DOCK	8
LIGHTING	8
SOUND	10
BACKSTAGE	11
STAGE MANAGEMENT	11
CONTROL SYSTEMS	
WARDROBE WORK ROOM	11
WIG WORK ROOM	11
PHONE LINES	12
BACKSTAGE ACCOMMODATION	13

N.B. This Technical Specification should be read in conjunction with the plans and the theatre hiring agreement.

AUDITORIUM DETAILS

Full Auditorium	1467
Auditorium with small orchestra pit (less row AA, 13 seats)	1454
Auditorium with medium orchestra pit (less row AA & BB, 37 seats)	1430
Auditorium with large orchestra pit (less row AA – DD, 94 seats)	1373
Stalls only (with no orchestra pit)	718
Stalls only, with forestage lift at stage level (less 37 seats)	681
Dress Circle (including boxes)	372
Grand Circle (including boxes)	377

ORCHESTRA PIT

Small Pit (Row AA)	13m wide x 4m deep on centre x 2.4m below stage level. Capacity: 25 musicians
Medium Pit (Row AA – Row BB)	13m wide x 5.1m deep on centre x 2.4m below stage level. Capacity: 40 musicians
Large Pit (Row AA – DD)	13m wide x 7m deep on centre x 2.4m below stage level. Capacity: 55 musicians

PIT LIFT

Apron Stage (Medium Pit)	13m wide x 2.6m deep on centre of the curve
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AUDITORIUM MIXER POSITION

Stalls row S	seats 14-21
Stalls row T	seats 14-21
Stalls row U	seats 14-21

N.B. Above seats will be held (and removed from the auditorium) unless otherwise notified by the hirer. Should additional space be required for additional technical operation in the auditorium, please confirm at time of contracting.

STAGE DETAILS

Proscenium width	13m
Proscenium height	9.02m
Teaser (false proscenium)	Black border on Line # 4
Tormentors (false proscenium)	Black legs on Line # 5
Standard rig masking width	12m
Standard rig masking depth	12m

STAGE WIDTH

Centre line to Prompt side counterweights	11.3m
Centre line to Prompt side fly (gallery)	9.5m
Centre line to Opposite Prompt side wall	12.4m
Centre line to Opposite Prompt side fly gallery	9.5m

STAGE HEIGHT

Floor at row AA (Stage edge to stalls floor)	- 0.96m
Clearance from stage to underside of Prompt side fly (gallery)	9m to u/s of mechanical ductwork
Clearance from stage to underside of OP side fly floor	9m to u/s of mechanical ductwork
Clearance from stage to underside of grid	22.5m
Orchestra pit depth from stage	- 2.4m

UPSTAGE

Setting line to back wall	14.98m
Setting line to Line 83 (Upstage edge of fly gallery crossover)	12.45m
Setting line to Line 90 (Last fly line) (there are 4 panorama bars behind last fly line)	13.5m
Setting line to Line 5 (first practical fly line in standard rig)	0.9m

DOWNSTAGE

Setting line to down stage edge of permanent stage apron	0.95m
Setting line to dress circle front projection position	15.7m horizontal
Setting line to follow spot/projection booth window	23m
Setting line to d/s edge of permanent small pit (on centre line)	2.57m
Setting line to d/s edge of medium pit (on centre line)	3.69m
Setting line to d/s edge of large pit (on centre line)	5.6m

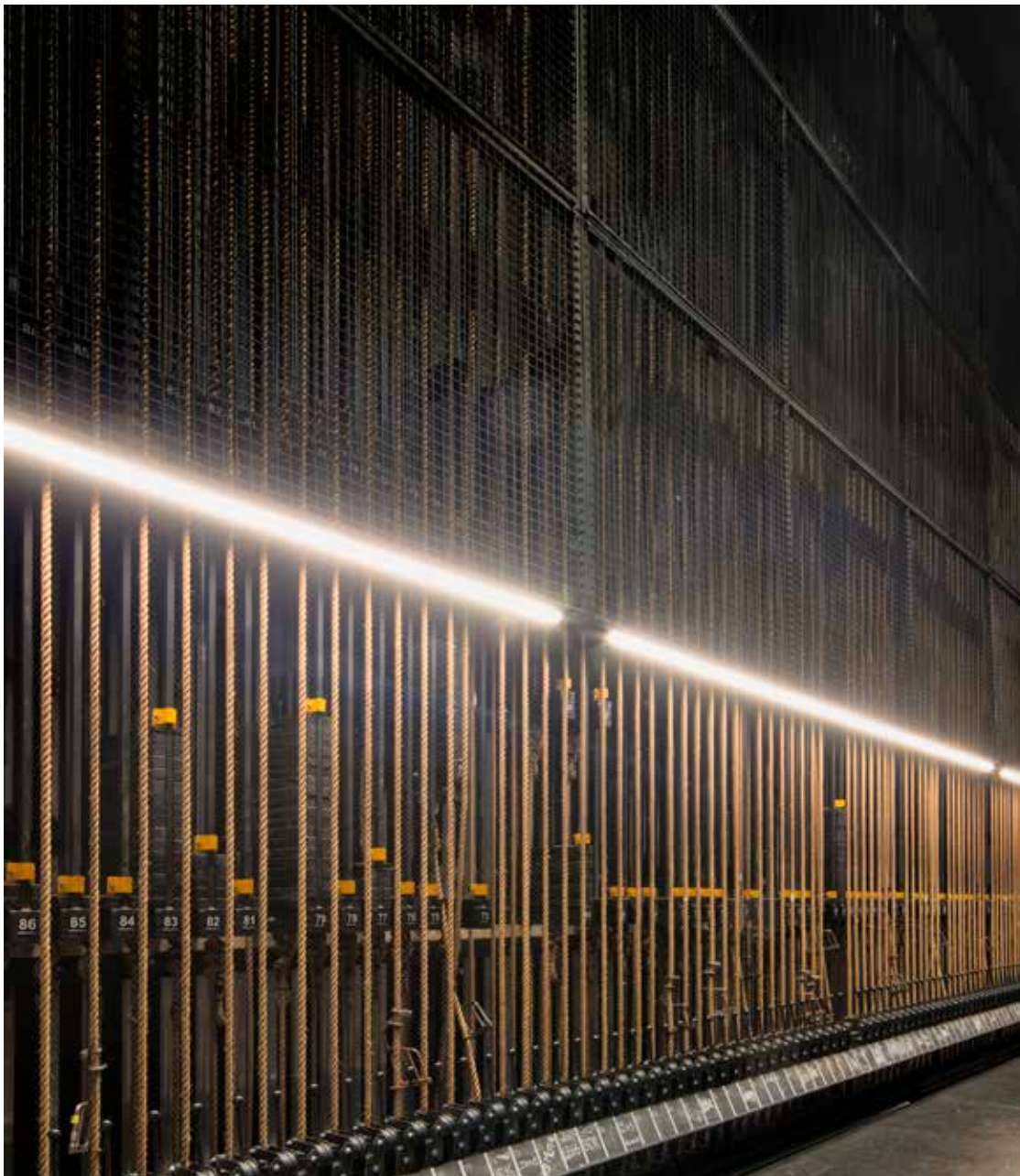
WORKING LOAD LIMIT

Rigging Points	Safe Working Values
Forestage Lifting Beams x 6	WLL. 1000kg 1m/Max. WLL. 3000kg
Lighting box boom lifting beam	WLL 500kg
Main Grid (Manhole) Lifting Beam	WLL. 1000kg 1m/Max. WLL 2000kg
Under gallery Lifting Beams	TBC
Speaker rigging points, side x 2	1 tonne chain motors
Speaker rigging points, centre	1 tonne chain motors
IT Motors on A Frames in Grid	6

ONSITE ACCESS EQUIPMENT

1 x Haulotte Quick Up 12

Platform height 10m / working height 12m



HANGING PLOT

NO	LINE		
48	--	MidStageTravellers	7240
47	--		7090
46	--		6940
45	--	Lx3A	6790
44	--		6640
43	--		6490
42	--		6340
41	--	Lx #3	6190
40	---		6040
39	--		5890
38	--	Masking Legs	5740
37	--	Masking Border	5590
36	--		5440
35	--		5290
34	--		5140
33	--		4990
32	--		4840
31	--	Masking Border	4690
30	---		4540
29	--	Lx2A	4390
28	--		4240
27	--		4090
26	--		3940
25	--	Lx #2	3790
24	--		3640
23	--		3490
22	--	Masking Legs	3340
21	--	Masking Border	3190
20	---	Topping Border	3040
19	--		2890
18	--		2740
17	--		2590
16	--		2440
15	--		2290
14	--	Masking Legs	2140
13	--		1990
12	--	Lx1A	1840
11	--		1690
10	---		1540
09	--		1390
08	--	Lx #1	1240
07	--		1090
06	--		940
05	--	Tormenters	790
04	--	Teaser	640
03	--		490
02	--	House Curtain	340
01	--		190
00	---	Setting Line	0000mm

Distance from setting line

PAN BAR	OP1	Panorama Masking	
PAN BAR	OP2		
PAN BAR	PS2		
PAN BAR	PS1	Panorama Masking	
	90	Smother	13540
	89		13390
	88		13240
	87		13090
	86		12940
	85		12790
	84		12640
	83	Cyclorama	12490
	82	Masking Legs	12340
	81	Masking Border	12190
	80		12040
	79	Travlers	11890
	78		11740
	77		11590
	76		11440
	75		11290
	74	Flood Bar	11140
	73		10990
	72		10840
	71	Masking Legs	10690
	70	Masking Border	10540
	69		10390
	68	Lx #5	10240
	67		10090
	66		9940
	65		9790
	64	Smother	9640
	63	Masking Border	9490
	62		9340
	61		9190
	60		9040
	59		8890
	58	Lx #4	8740
	57		8590
	56		8440
	55	Masking Legs	8290
	54	Masking Border	8140
	53		7990
	52		7840
	51		7690
	50		7540

Scale: NTS File:HMT PLAN & SECTION VARIOUS LEVELS DRAFT V3
 Drawn:AFC Production Date:2022
 NOTE: All measurements must be verified on site
 Printed:TFJ Contact: TechInfo@adelaidefestivalcentre.com.au

Standard Rig Hanging Plot Her Majesty's Theatre



STANDARD RIG

STAGE

Battens	Alloy truss, 48mm with 4mm wall, 350mm high
Batten weight limit	500kg
Length of battens	16.7m with 6-line pick-up system
Maximum batten drift from stage	21m
Minimum batten drift from stage	1m
Masking Standard Rig	Black wool
Width of onstage edge between legs	12m
House Curtain	300mm thick Burgundy velour, black light proof backing, centre opening manually flown
Black Velvet Tabs	2 x 10m high x 17.7 wide, centre opening. (each set is a 2-panel drape of 9.35m wide with 1m overlap)
Black Borders	3 x 6m deep x 16.7 m wide 4 x 4m deep x 16.7 m wide
Black Legs	16 x 11m high x 4m wide
Black Legs (Returns, Pano)	14 x 11m high x 2m wide
Cyclorama (Plastic, Framed)	11m high x 16m wide
Black Gauze	11m high x 16m wide
Black Smothers	2 x 11m high x 16m wide
RAT music stands	40
Musicians chairs	40
Production desks	6 available, metal frame, felted top @ 1900mm x 900mm 1.2m sections, adjustable legs
Conductor music stand	1
CLS ALI Rostra Legs with wheels Treads	4 x 2400mmx1200mm 400mm / 600mm 2 x 2-step 2 x 1-step
Piano – Yamaha C7# – for Stage	Standard tune to #440, tuning will be arranged with notice Gloss black
Piano – Upright – Dressing Room #3	113cm, polished ebony
Piano – NU1X – Rehearsal Room	Digital Upright, on wheels, gloss black

N.B. Please note, should supplementary cleaning be required of stage and backstage area due to damage, stage effects (e.g. streamers) or general mess, additional charges will be applied upon settlement. Please note use of glitter is not permitted.

LOADING DOCK

All deliveries are via the loading dock that opens to a shared public street. Access is via arrangement only. Deliveries must be arranged and booked in advance.

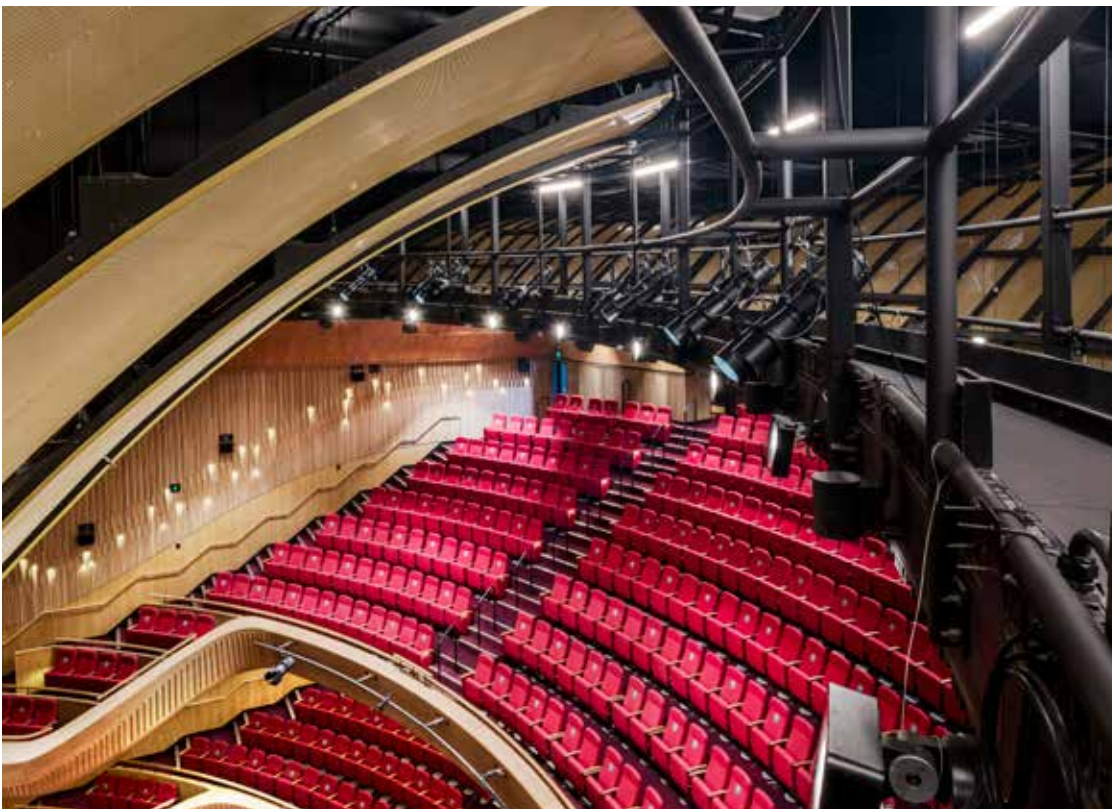
Dock door opening	3.6m wide x 3m high
Fold down dock platform	4.5m wide x 3.8m deep
Dock height	Minimum height - 500mm, maximum height - 1750mm, measured from the roadway
Scenery bay	4.7m wide x 6.9m long x 6.5m high
Stage door opening	1.32m x 2.33
Dock area	Wet area with sink

LIGHTING

Cover	4 Colour washes, 4 follow spots
Lighting Control	ETC GIO with ION backup, Grand MA 3 Lite
DMX 512 over ethernet	Lighting Control Room, Rack Room, Sound Control room & rear of Auditorium
Jands Hub-XCD 2KW	646 x dimmer rack room

PATCHING

FOH LX Box Booms: 64 Outlets	FOH Lx Bridge #1: 36 Outlets	Stage Fly Floor: 24 Outlets
Dress Circle front: 42 Outlets	FOH Lx Bridge #2: 36 Outlets	Stage Grid: 180 Outlets
Grand Circle front: 42 Outlets	FOH LX Rear Positions: 12 Outlets	Stage Upper Gallery: 96 Outlets
Speaker Bridge: 18 Outlets	Orchestra Pit: 12 Outlets	Stage Floor: 84 Outlets



LIGHTING POSITION AND LUMINAIRE

Lighting Position and Luminaire	Luminaire	Notes
Bridge 3	12 x ETC Lustr 10 deg	Wash
	6 x ETC S4 10 deg	Spec
Bridge 2	6 x ETC Lustr 14 deg	Wash
	6 x ETC S4 14 deg	Wash
	3 x ETC S4 10 deg	Spec
Bridge 1	6 x ETC S4 26 deg EDLT	Wash
	6 x ETC S4 19 deg EDLT	Spec
	3 x ETC S4 14 deg	Conductor
High Pros	6 x ETC Lustr 26 deg EDLT	
Circle Front	2 x Selecon 1.2kw PC	Curtain Warmers
Follow Spot Booth	4 x Robert Juliat Merlin Followspot 2500w HMI	
Overhead Rig	48 x Selecon 2kw Arena Fresnel	4 colour wash
	16 x Strand SL 15/32 Zoom	Gobo wash
	12 x ETC S4 19 deg	Specials
	7 x Iris 4 1kw Cyc	
Loose	12 x ETC Lustr 2 Lens option	12 x 36 deg EDLT 6 x 19 deg EDLT
	42 x ETC S4 750w Lens option	18 x 36 deg 28 x 26 deg 36 x 19 deg
	20 x Strand SL 15/32 Zoom	
	12 x Selecon Arena 2kw Fresnel	
	18 x Selecon 1.2kw PC	
	24 x ETC S4 Par	
Hire	12 x Robe T1 Profile	
	12 x Robe T1 Wash	
	11 x iLED Par	

PANORAMA LIGHTING BARS

4 x ladders per side on braked rollers

Each ladder consists of 6 x 900mm bars spaced approx. 600mm apart
Total loading available approx. 250kg per panorama bar

STANDARD LIGHTING POWER

1 x 400A 3 Phase	Powerlock sequential connecting boxes	Trap Room/Stage, Upper Gallery Level
40A 3 phase Clipsal 56 series outlet	1 x Orchestra pit 3 x Stage 1 x FOH mix position 1 x FOH mix position 1 x Dress circle front, centre 1 x LX control room 1 x Fly Gallery PS 1 x Rehearsal Room 1 x PS Upper Gallery 1 x OP upper gallery 1 x LX bridge 1	
10A GPO	Distributed throughout technical areas	

SOUND

Left and right main PA	24 x Adamson S Series S10 stereo line array 12 per hang
Sub woofers	4 x Adamson S Series S119 speaker cabinets 2 per side
Centre cluster	8 x Adamson S Series S10 line array elements
Front fill	8 x Adamson CP5 point concentric series speakers
Delays, under balcony across 3 levels	26 x Adamson CP5's speakers
Surround left and right and rear 3 levels	42 x Adamson CP5's speakers mounted on the walls
Sound console <i>N.B. Fixed in the control room</i>	1 x Rio 32-24 OPS stage patch position 1 x Rio 16-08 Console position
Outer fill	2 x ART-315
Stage monitors	4 x Powered ART 310
Microphones	Microphones are available by request A large selection of K&M microphone stands are stored on site
Lectern	Black classic series lectern

STANDARD SOUND POWER

Power board - Trap Room, Stage	150amp total load
Power board - Trap Room, Touring	125-amp 3 phase C Form 2 x 63-amp 3 phase C Form 2 x 40-amp 3 Phase Clipsal 56 series outlet 3 phase 160-amp Powerlock sequential connecting boxes C form distribution rack and system is stored on site
Stage level OP side	2 x 10-amp GPO 16-amp C Form 2 x 40-amp 3 phase Clipsal 56 series outlets
Stage level P side	40-amp 3 phase Clipsal 56 series outlet 3 x 10-amp GPO
General	Distributed C form, Clipsal 56 series outlets and GPO throughout the venue including FOH mixer position

BACKSTAGE

STAGE MANAGEMENT CONTROL SYSTEMS

Riedel intercom system	10 x C3 belt packs with headsets 8 x Riedel Bolero wireless packs with headsets
Stage sound	All dressing rooms, corridors, green room and offices
Cue light master	16 units available
Cast call	Includes paging mic to all dressing rooms, corridors, green room and offices
Screens	Showing stage feed (Channel 5), black and white, low light PS proscenium wall, OpS proscenium wall, dress circle rails, fly floor All dressing rooms, corridors, green room and offices, and stage door
Telephone System	Silent / Light flash only style Direct communication to Front of House Manager, offices, box office, stage door and dressing rooms
Announcement microphone	Shure SM 58S on a K&M microphone stand

WARDROBE WORK ROOM

2 x Automatic washing machines

2 x Tumble dryers

2 x Upright clothes dryer

3 x Ironing boards, iron and steamer

1 x Sewing Machine, sewing table, overlocker

Work table

WIG WORK ROOM

N.B. Can be utilized as an additional dressing room if required



Green Room

PHONE LINES AS AT 01.07.2020 – N.B. prefix (08) 8216

Stage Door 1	1 Phone	Permanent line	8774
Stage Door 2	1 Phone	Permanent line	8833
Ticketek Counter 1	1 Phone	Permanent line	TBC
Ticketek Counter 2	1 Phone	Permanent line	TBC
BOH Office 1	1 Phone	Permanent line	8827
BOH Office 2	1 Phone	Permanent line	8828
BOH Office 3	1 Phone	Permanent line	8829
FOH Mezzanine Office 1	1 Phone	Permanent line	8770
FOH Mezzanine Office 2	1 Phone	Permanent line	8815
Dressing Room 1	1 Phone	Permanent line	8901
Dressing Room 2	1 Phone	Permanent line	8903
Dressing Room 3	1 Phone	Permanent line	8904
Dressing Room 4	1 Phone	Optional	8772
Dressing Room 5	1 Phone	Optional	8771
Dressing Room 6	1 Phone	Optional	8842
Dressing Room 7	1 Phone	Optional	8821
Dressing Room 8	N/A	N/A	N/A
Dressing Room 9	N/A	N/A	N/A
Dressing Room 10	N/A	N/A	N/A
Dressing Room 11	N/A	N/A	N/A
Dressing Room 12	N/A	N/A	N/A
Dressing Room 14	N/A	N/A	N/A
Green Room	N/A	N/A	N/A
Prompt Corner	1 Phone	(Silent/Light flash only style)	8999
Level 1 Office (Stage Manager Office)	1 Phone	Permanent line	8824
Level 1 Office (Stage Manager Office)	1 Phone	Permanent line	8836
Level 3 Office 2 (AFCT Staff Office)	1 Phone	Permanent line	8654
Level 3 Office 2 (AFCT Staff Office)	1 Phone	Permanent line	8837
Level 3 Office 3 (Touring Tech Office)	1 Phone	Permanent line	8838
Level 3 Office 3 (Touring Tech Office)	1 Phone	Permanent line	8831

BACKSTAGE ACCOMMODATION

N. B. All rooms are equipped with stage sound and TV Systems with capability to show stage view on Channel 5.

Stage Level			
No. 1	1 person	10sq m (Excl ensuite)	Power, TV, ensuite – toilet, shower, basin
No. 2	1 person	8sq m (Excl ensuite)	Power, ensuite – toilet, shower, basin (DDA accessible)
No. 3	1 person (Conductor)	8sq m (Excl ensuite)	Power, upright piano, ensuite – toilet, shower, basin
Amenities			2 x Male and 2 x Female and DDA toilets
Level 1			
No. 4	2 persons	10sq m (Excl ensuite)	Power, ensuite – toilet, shower, basin
No. 5	2 persons	10sq m (Excl ensuite)	Power, ensuite – toilet, shower, basin
No. 6	2 persons	10sq m (Excl ensuite)	Power, ensuite – toilet, shower, basin
No. 7	2 persons	10sq m (Excl ensuite)	Power, ensuite – toilet, shower, basin
No. 8	7 persons	17sq m (Excl ensuite)	Power, ensuite – toilet and basin, separate shower. Patch for vision and comms.
No. 9	7 persons	17sq m (Excl ensuite)	Power, ensuite – toilet and basin, separate shower
No. 10	7 persons	18sq m (Excl ensuite)	Power, ensuite – toilet and basin, separate shower
Office 1	2 persons	15sq m	Phone/data lines, power and workspace Patch for vision and comms
Wardrobe Room		32sq m	Movable costume racks. 2 x tumble dryers. 2 x automatic washing machines. 2 x upright drying cabinets. Ironing boards, irons, steamers, sewing machine, overlocker, worktable & Stage view monitor.
Wig Room		16sq m.	Fume extraction system
Level 2			
No. 11	7 persons	18sq m (Excl ensuite)	Power, ensuite – toilet and basin, separate shower
No. 12	17 persons	48sq m (Excl ensuite)	Power, 2 x Basins, 2 x toilets, 2 x separate showers
No. 14	18 persons	59sq m (Excl ensuite)	Power, 2 x Basins, 2 x toilets, 2 x separate showers
Green Room			Kitchenette, furniture
Amenities			DDA toilet
Level 3			
Office 3	5 persons	18sq m	Phone/data lines, power, workspace Patch for vision and comms
Rehearsal Room		193sq m 13.8m x 14m x 3.5m high	Sprung timber floor, mirrors, fixed barre Digital piano, basic playback PA Patch for audio, vision, comms 40-amp 3 phase
Amenities			DDA toilet
Stage Basement			
Orchestra Change Room	30 persons	32sq m	Amenities for room at stage level