

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 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

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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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ACCESS TO STAGE

There are no treads directly from auditorium to stage.
Access to the stage is via pass doors and stairs located auditorium left and right.

AUDITORIUM OPERATING POSITION

These seats are held from sale unless notified by the hirer:

Large Operating Position

Stalls Row S Seats 12-22
Stalls Row T Seats 12-23
Stalls Row U Seats 12-22

These seats are removed from the auditorium unless notified by the hirer:

Small Operating Position

Stalls Row S Seats 14-20
Stalls Row T Seats 14-21
Stalls Row U Seats 14-20

N.B. If an auditorium operating position is not required, the seats will need to be installed and then returned to standard, with labour costs to be borne by the hirer.

Auditorium operating position seat holds shall not be released for sale without prior approval from the Production Department.

STAGE DETAILS

Proscenium width	13m
Proscenium height	9.02m
Teaser (false proscenium)	Black border on Line # 1
Tormentors (false proscenium)	Black legs on Line # 2
Standard rig masking stage width	12m (6m either side from Centre)
Standard rig masking stage depths	6m / 9m / 12m (See hanging plot separate document for details)

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 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
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



STANDARD RIG

STAGE

Battens	Alloy truss, 48mm with 4mm wall, 350mm high
Maximum Working Load Limit	432kg per cradle
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	2 x 6m deep x 16.7m wide 5 x 4m deep x 16.7m wide
Black Legs	16 x 11m high x 4m wide
Black Legs (Returns, Pano)	14 x 11m high x 2m wide
Cyclorama (Filled Cloth)	9m high x 16m 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



Batten

Production desks	6 available, metal frame, felted top @ 1900mm x 900mm 1.2m sections, adjustable legs
Conductor music stand	1
CLS Stage Decks Legs Steps, Skirts, Kick and Handrails	10 x 2400mm x 1200mm 40 x @ 300mm, 40 x @ 600mm Contact Staging Department for details
Piano – Stage	Yamaha C7 – gloss black Standard tune to #440 – tuning to be arranged with notice
Piano – Dressing Room #3	Upright – polished ebony, 113cm
Piano – Rehearsal Room	NU1X – digital upright on wheels, gloss black
Staging / Automation Power – Fly Floor OP	1 x 100A 3 Phase Powerlock (non-RCD)
Staging / Automation Power – Throughout theatre	Various 3 Phase 5 pin outlets Contact Staging Department for specific requests

N.B. Additional charges will be applied upon settlement if extra cleaning is required, especially due to damage or stage effects (eg. streamers). The 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 CONTROL

ETC Apex 10 with ETC Apex Processor backup	Situated in Lighting Control Room, rear of Dress Circle
ETC Nomad system available as client	
DMX 512 over ethernet	

LIGHTING POWER AND DIMMING

Jands Hub-XCD	646 x 10A outlets available as dimmer/switched/GPO 20A dimming and distribution available on request Contact Lighting Department for details
1 x 400A Powerlock	Outlets on Stage OP side Outlets on Fly Floor OP side
3 Phase 5 pin outlets	Various available Contact Lighting Department for specific requests

FRONT OF HOUSE STANDARD LIGHTING RIG

See Standard Lighting Plans for more details

Bridge 3	ETC Lustr S2 10 deg	x 12
	ETC Source Four 750w 10 deg	x 6
Bridge 2	ETC Lustr S2 14 deg	x 6
	ETC Source Four 750w 14 deg	x 12
	ETC Source Four 750w 10 deg	x 8
Bridge 1	ETC Source Four 750w 26 deg	x 6
	ETC Source Four 750w 19 deg	x 6
	ETC Source Four 750w 14 deg	x 9
Box Boom 2	ETC Lustr S2 26 deg	x 6
Balcony Circle Front	ETC Source Four 750w 19 deg	x 6
	Selecon 1.2kw PC (curtain warmers)	x 2
Followspot Room (centre Bridge 3)	Robert Juliat Merlin Followspot 2500w HMI	x 4

LOOSE LIGHTING STOCK

Overhead Standard Rig uses fixtures from the following list

See Standard Lighting Plans for more details

ETC Lustr S2 x 12	Lens options:	12 x 36 deg EDLT 6 x 19 deg EDLT
ETC Source Four 750w x 54	Lens options:	22 x 36 deg 22 x 26 deg 30 x 19 deg
Strand SL 15/32 600w		x 24
Selecon Arena 2kw Fresnel		x 60
Selecon 1.2kw PC		x 18
ETC Source Four Par 750w x 24	Lens options:	WFL/MFL/NSP/VNSP
Quartzcolor Iris 4 Flood 4 x 1kw		x 7

LIGHTING HIRE STOCK

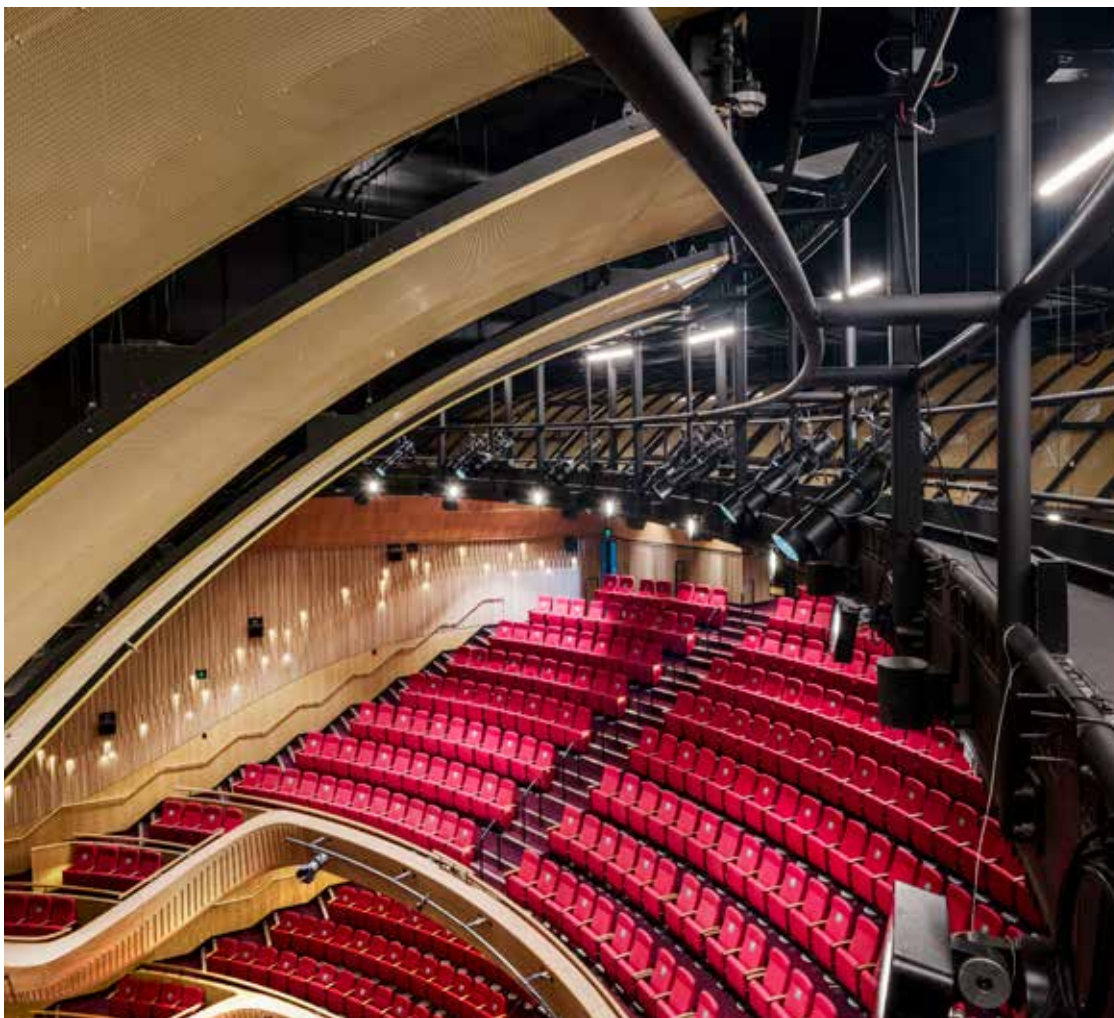
These items may be available upon advance arrangement. Additional charges will apply
Contact Lighting Department for details

GrandMA 2 Lite	x 1
Robe T1 LED Profile	x 12
Robe T1 LED Wash	x 12
LiteCraft MultiPAR 12 FC	x 10
MDG ATMe Hazer	x 1
Look Solutions Unique Viper 2.6 Smoke	x 1
Look Solutions Power Tiny Smoke	x 1
Mirrorball + motor	x 1

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



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 set on stage
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
Front of House Console	Yamaha CL3 Digital Console with PW800W external power supply
Stage Racks (Input/output)	1 x Rio 32-24 OPS stage patch position 1 x Rio 16-08 console position (rolling rack)
Outer fill	2 x ART-315
Stage monitors	4 x Yamaha DXR 112 powered speakers and K&M winch up stands
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

Switchboard Basement – Stage	150amp total load
Switchboard Basement – 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 CONSOLE

Riedel Master Panel	Riedel DCP 1112
Cast Call	Cast call via Riedel DCP 112 master panel to all dressing rooms, offices, corridors and green room Cast call also available via SM and ASM Riedel Bolero wireless packs
Stage Sound Speaker	Stage Sound mic feed to Fostex RM3 Console feed to Fostex 6301B 5" powered speaker available on request
Announcement Microphone	Rode M2 switch mic (+48V) with K&M mic stand
Telephone	Silent / light flash only Open line high speed internet access available upon request Direct communication to Front of House Manager, Box Office Staff, Stage Door Attendant, offices and dressing rooms
Cue Light Master	QLM16 Mk4 16 x QLX units available
Vision Monitors	12" Front of House colour camera view 12" Front of House black and white low light camera view Dual 7" Conductor/other view 2 x 12" monitors on angle brackets on top of console (selectable input)

BACKSTAGE COMMUNICATION SYSTEMS

Riedel Communication System	10 x C3 hardwired belt packs with headsets 11 x Bolero wireless packs with headsets Panels available in lighting and sound control rooms, auditorium production desk position and Office 1
Cast Call	To all dressing rooms, offices, corridors and green room
Stage Sound	To all dressing rooms, offices, corridors and green room
Telephone System	Direct communication to Front of House, Stage Door, Office 1 and dressing rooms, as well as outside lines
Distributed TV and Stage view monitors	Stage view available in all dressing rooms, offices, green room and stage door on channel 5 Small selection of vision monitors available on request

VISION

Front of House colour camera	Positioned on Grand Circle balcony rail
FOH black and white low light camera with IR light emitters	Positioned on Grand Circle balcony rail
Conductor colour camera	Available on request
Monitors showing Stage view from Front of House	Located at Stage Management Console, OP and PS proscenium wall, fly floor

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 utilised as an additional dressing room if required



Green Room

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, telephone, stage view monitor, TV, ensuite – toilet, shower, basin
No. 2	1 person	8sq m (Excl ensuite)	Power, telephone, stage view monitor, ensuite – toilet, shower, basin (DDA accessible)
No. 3	1 person (Conductor)	8sq m (Excl ensuite)	Power, telephone, stage view monitor, 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, telephone, stage view monitor, ensuite – toilet, shower, basin
No. 5	2 persons	10sq m (Excl ensuite)	Power, telephone, stage view monitor, ensuite – toilet, shower, basin
No. 6	2 persons	10sq m (Excl ensuite)	Power, telephone, stage view monitor, ensuite – toilet, shower, basin
No. 7	2 persons	10sq m (Excl ensuite)	Power, telephone, stage view monitor, ensuite – toilet, shower, basin
No. 8	7 persons	17sq m (Excl ensuite)	Power, telephone, stage view monitor, ensuite – toilet and basin, separate shower. Patch for vision and comms.
No. 9	7 persons	17sq m (Excl ensuite)	Power, telephone, stage view monitor, ensuite – toilet and basin, separate shower
No. 10	7 persons	18sq m (Excl ensuite)	Power, telephone, stage view monitor, ensuite – toilet and basin, separate shower
Office 1	2 persons	15sq m	Power, telephone, stage view monitor, 2 x desks, 2 x office chairs
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, sink, stage view monitor
Level 2			
No. 11	7 persons	18sq m (Excl ensuite)	Power, telephone, 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 with fridge/freezer, microwave, hot water etc., furniture, stage view monitor
Amenities			DDA toilet
Level 3			
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 Tarkett dance floor (5 x 2m wide x 13.5m long lengths, black) available upon request
Amenities			DDA toilet
Basement Level			
Orchestra Assembly Room	8 persons	32sq m	Holding only – no dressing facilities. Amenities located at stage level