



Technical Specifications

State Theatre

Document History

Revision #	Date	Author	Comments
8.4	September 2023	J White	Updates: Stage Door location and access, Loading Dock access and information, Equipment, and Fire Safety
8.3	October 2022	J White	Contact info updates
8.2	September 2022	J White	Fire and Safety update
8.1	March 2022	R. Last	Flying system update
8.0	September 2020	J. White	Venue Equipment Updates
7.4	May 2014	R. Last	Minor alterations and formatting changes
7.3	March 2013	C. King	Seating and lighting console updates
7.2	6/12/2011	C. King	Update new name and logo
7.1	5/9/2011	R. Last	Wardrobe and Wigs & Make-up Rooms update
7.0	6/7/2011	C. King	FOH Console & Speaker System minor edits
6.0	13/10/10	C. King	Speaker System update and minor edits

General information

Address

Arts Centre Melbourne
100 St. Kilda Road
Melbourne Australia 3004
Reception Phone +613 9281 8000
Stage Door +613 9281 8320
Melway Reference Melway Ref 2F G7
[Arts Centre Melbourne Google Map](#)

Building Summary

Theatres Building

State Theatre
Playhouse
Fairfax Studio

Level 8: Reception & Administration
Level 6: St. Kilda Road entrance, Café Vic, Barre Bar
Level 5: Sturt St, Stage Door
Level 4: Staff Only
Level 3: Wirth's Staff Cafeteria
Level 2: Stage Level
Level 1: Orchestra Assembly Room and access to Orchestra Pit

Stage Door location: Level 6, rear of the building. Entry through St Kilda Rd front doors.
Out of hours access - walk around to the rear of the building (NGV side) and use intercom.

For more detailed information on venue access go to **Get In** information on [page 5](#)

Contacts

Technical Director, Production	+613 9281 8137
Senior Manager, Venue Operations	+613 9281 8718
Manager, Staging	+613 9281 8142
Manager, Lighting	+613 9281 8365
Manager, Sound & Vision	+613 9281 8138
Manager, Broadcast & Digital	+613 9281 8163
Manager, Venue Bookings	+613 9281 8520
Manager, Ticketing	+613 9281 8700

Contents

Document History.....	2
General information.....	3
Address.....	3
Building Summary.....	3
Contacts.....	3
Contents.....	4
Get In.....	6
Scenery Lift.....	6
Auditorium Seating.....	6
Standard configurations.....	6
Capacities.....	6
Technical & Production Seating.....	7
Production Desks.....	7
Orchestra Pit.....	7
Size.....	7
Configurations.....	7
Orchestra Equipment.....	8
Orchestra Pit Acoustic Drape System.....	8
Stage Details.....	9
Dimensions.....	9
Fire Precautions & Safety Requirements.....	10
Stage Drapes.....	10
Flying System.....	11
Control System.....	11
Across Stage Battens.....	11
Panorama Battens.....	12
Trolley Beams and Chain Hoists.....	13
Portable Point Hoists.....	13
Rear Stage Battens.....	13
Surtitle Screen.....	14
Lighting Facilities.....	15
Single Insulated Cable Policy (FMV013).....	15
FOH distances to setting line.....	15
Control System.....	15
DMX and Ethernet Network.....	16
Dimmers/Distros.....	17
Standard FOH Lanterns.....	18
Stage Lanterns.....	19
Accessories.....	19
Lighting Hardware.....	20
Three Phase Power.....	21
Stage Management Facilities.....	22
CCTV monitoring.....	22
Cameras.....	22
Comm's System - Riedel Artist.....	23
Sound Facilities.....	24
FOH Console & Processors.....	24
Playback and recording.....	24
Speaker System.....	24
Microphones.....	24
Pianos.....	25
Assistive Listening System.....	25
Wardrobe Facilities.....	25
Wardrobe.....	25
Wigs and Make-up Room.....	25
Broadcast & Recording.....	26
Video Recording.....	26
Sound Recording.....	26
Archival Recording.....	26
Photography.....	26
Back Stage Accommodation & Telephone Numbers.....	27
Dressing Rooms and Offices.....	27

Technical & Production Offices	28
Telephone numbers	29
Rehearsal Room	29

Get In

Important Changes to Theatres Building Access.

Arts Centre Melbourne is in a period of transformation.
We are entering major construction phases at the western end of the building.
Please note these important changes to egress into the Theatres Building below.
Click on icon for more information.

Refer to the ACM access information at the bottom of this document.

Scenery Lift

Side or end loading is available at stage level	
Maximum height	4.300m
Maximum weight	25,000kg
Lift Size	15.370 x 4.100m
Door height between scenery dock and stage	8.900m
Loading Dock area floor load	1750 kg/m ²

NOTE

- Vehicles longer than 15m must be able to unhook the prime mover.
- A range of manual handling equipment is available and shared between the venues
- Due to safety fencing, side loading height is limited to 2.750m

Auditorium Seating

Standard configurations

Orchestra Pit	Set to Stage Level with no seats
Stalls Control Position	Seats installed

NOTE

- Presenters are charged for installation and removal of seats in the standard configurations listed above. The approximate charge is four staff for four hours.
- To install sound equipment, it may be necessary to temporarily remove Z1-15.

Capacities

Area	Standard Orchestra	Extended Orchestra	No Orchestra
Pit Seating Status	AA-EE removed	B-EE removed	All seats Installed
Stalls	1096	1025	1226
Circle	403	403	403
Balcony	400	400	400
Boxes	38	38	38
Wheelchairs	12	12	12
Total Capacity	1949	1878	2079

Technical & Production Seating

The following seats are held from sale until technical and production details are confirmed.

Seating Area	Seats	Seat Numbers	Approx Dimensions W x D
Standard Orchestra Pit/Forestage	130	AA1-34; BB1-29; CC1-26; DD1-25; EE1-16	See Orchestra Pit Configuration for details
Extended Orchestra Pit	201	A1-37; B1- 34; AA1-34; BB1-29; CC1-26; DD1-25; EE1-16	
Large Stalls Control Position	51	Z16-33; Y19-35; X21-36	8.000 x 3.000m
Medium Stalls Control Position	36	Z16-28; Y19-30; X21-31	5.500 x 3.000m
Small Stalls Control Position	18	Z20-28; Y22-30	4.300 x 2.200m
Stage Access from auditorium	8	DD1-4; DD22-25	

Production Desks

The Production Desks can be located in either of two locations:

- Seating in Row L with the desk covering Row K
- Seating in Row S with the desk covering Row R

Orchestra Pit

Size

Orchestra Pit lift 1	19.410m wide x 5.400m deep
Orchestra Pit area	88.3m ² -
Orchestra Pit Travel	Variable between stage level and 2.800m below stage

NOTE

- Using lift 1 only, the maximum number of players safely able to enter the Orchestra Pit is limited to 67
- Using lift 1 & 2, the total number of players is approximately 105. Contact the Manager, Staging for more details

Configurations

Pit Size	Seats/Rows unavailable for sale	Number of seats	Area	Comments
Standard Pit	AA-EE	130	83.000m ²	
Extended Pit	B; A; AA-EE	201	113.000 m ²	

Orchestra Equipment

The following orchestral equipment is available. Please advise requirements at your earliest convenience

Type	Quantity	Comment
Orchestral Chairs	75	Tempo Musician chair
Music Stand	75	Rat Concert Music Stand
Sconce Lights	75	Naotek dual colour LED
Conductors Podium	1	Height adjustable
Conductors Music Stand	1	Height adjustable

Orchestra Pit Acoustic Drape System

The Orchestra Pit is equipped with a full set of drapes that can be fully installed or deployed in certain areas of the pit walls if required.

The Stage apron wall drapes can be varied in fullness to customise the amount of absorption required on different sections of the wall.

The Pit rail wall can be completely covered, or single drapes can be installed where required.

Stage Details

Dimensions

Proscenium

Height	8.975m
Width	15.440m

Stage Width

Wing wall to wall	45.960m
Fly Floor handrail to handrail	22.600m
Rear Stage wall to wall	17.520m
Dip trap to dip trap	21.800m
Mainstage Elevator	16.400m

Stage Depth at Centre

Setting Line to back wall rear stage	31.850m
Setting Line to rear stage sound curtain	17.200m
Setting Line to Fly Floor crossover	16.540m
Setting Line to Front edge of stage apron	0.950m
Setting Line to DS edge of Orchestra Pit	6.300m
Setting Line to Advance Truss Position	5.100m

Mainstage Elevator	13.200m
--------------------	---------

Stage Height

Stage floor to underside of grid	24.100m
Batten drift	22.600m
Stage floor to under fly floors and rear stage	8.980m
To underside of Forestage Grid	17.100m
Above stalls auditorium	1.060m
Stage floor to operating fly floor rail	10.910m

Stage Description

Rake	None
Mainstage area	253.14m ²
Maximum floor loading	750 kg/m ² UDL
Maximum floor point load	450kg
Surface	25mm plywood covered by F17 6mm plywood

Orchestra Lift Loadings

Orchestra Lift 1 (US)	
Maximum floor loading	750 kg/m ² UDL
Maximum floor point load	460kg
Lifting load	10,000kg
Orchestra Lift 2 (DS)	
Maximum floor loading	750 kg/m ² UDL
Maximum floor point load	1,100kg
Lifting load	6,000kg

Standard Mainstage Area

Sprung Dance Floor	Bitflor modular dance floor 16.450m x 13.200m, 2.202m US of setting line
Removable Actor Trap size	1.330m x 0.890m

NOTE

- The Setting Line is the upstage edge of the Proscenium wall.
- The Sprung Dance Floor takes eight people approximately one hour to install.
- The Actor Traps are unavailable when the Sprung Dance Floor is used.

Fire Precautions & Safety Requirements

1. All scenery, props, masking etc must be rendered non-flammable to the satisfaction of the Victorian Arts Centre Trust.
2. No scenery, props, masking etc shall be placed in such a manner as to hinder the operation of the Fire Curtain or in any way affect the smoke seal created by the Curtain.
3. The Fire Curtain release mechanisms must not be covered or made inaccessible at any time.
4. A Fire Cabinet is available upon request. Presenter is to provide their own lock & key. A key is to be left with Security
5. A Gun Safe may be available for use. Please contact the Manager, Staging for more information.
6. All Presenters shall present a Risk Assessment to the Victorian Arts Centre Trust. Templates and assistance can be provided, please contact the Account Manager for more details.
7. The use of **Mylar** confetti or streamers is **not permitted** in any ACM venues as **Mylar** poses multiple safety hazards and does not align with the ACM Sustainability Policy.
8. All use of an open flame during a performance or rehearsal is considered a fire risk and requires the attendance of Fire Safety Personnel. Charges will be incurred per attendance based on a four (4) hour minimum call time.

Stage Drapes

The following drapes are available. Blacks are normally stored in the grid.

Standard Drapes

Drape	Quantity	Width (m)	Height (m)	Fullness	Colour	Material	Comment
House Curtain	1	20.000	10.900	100%	Red & Gold	Velvet	Permanent
Tabs	1 pair	10.500	10.400	50%	Black	Velour	
Legs	10 pairs	5.000	10.400	0%	Black	Wool IFR	
	2 pairs	3.000	10.400	0%	Black	Wool IFR	
	1 pair	7.000	10.400	0%	Black	Wool IFR	
	2 pairs	2.500	11.000	0%	Black	Wool IFR	
Borders	10	20.200	4.500	0%	Black	Wool IFR	
Borders	2	17.00	1.000	0%	Black	Wool IFR	
Borderettes	12	3.000	4.500	0%	Black	Wool IFR	
Pelmet Border	1	19.000	4.500	0%	Black	Wool IFR	
Smothers	1	20.000	10.400	0%	Black	Wool IFR	
	1	20.000	10.400	0%	Black	Wool	
Cyclorama	1	20.200	10.400	0%	Opera Milky White	Plastic	
Side Masking	5 per side	3.600	10.000	0%	Black	Wool	On Tab Tracks
Gauze	1	20.000	10.000	0%	Black	Sharkstooth Gauze	
False Proscenium Flats	2	2.400	8.000	N/A	Black	Timber Frame & Wool	0.350m return. Unable to be hung
Masking Flats	10	1.800	8.800	N/A	Black	Steel & Wool	Comes with bracing and hanging points

NOTE

- The House Curtain cannot be de-rigged or moved due to its heritage listing.

Flying System

Control System

Control interface system	Waagner Biro Cat V5
Safety Integrity Level	SIL3 (Certified to fly persons)
Hoist controller	Waagner Biro Unicorn
Batten Hoists	Electric, zero fleet angle
Operating positions	Level 5 PS & OP Fly Floors, Stage, Grid & wireless

Across Stage Battens

Quantity	108 including House Curtain
Spacing	150mm centres
Length	19.500m
Drift	0.200m to 23.500m from stage
Extensions, retractable, in 48.3mm dia tube	0.450m maximum
Extensions, sleeved into top batten profile	10 x 0.5m; 10 x 1.0m; 10 x 2.0m. 50kg WLL
Maximum distributed load	800kg WLL
Maximum point load	250kg WLL
Maximum speed	1.8m/s @ ≤450kg WLL; 1.2m/s @ >450kg WLL
Number of pick-ups	6
Pick-up spacing	3.808m between centres
Batten description	Prolyte ProTrack. Upper profile 60mm x 150mm. Lower profile 48.3mm dia

Across Stage Battens - Distances from Setting Line

Batten	mm	Batten	mm	Batten	mm	Batten	mm
A2	332	25	4,382	52	8,432	79	12,482
A1	482	26	4,532	53	8,582	80	12,632
HC	632	27	4,682	54	8,732	81	12,782
1	782	28	4,832	55	8,882	82	12,932
2	932	29	4,982	56	9,032	83	13,082
3	1,082	30	5,132	57	9,182	84	13,232
4	1,232	31	5,282	58	9,332	85	13,382
5	1,382	32	5,432	59	9,482	86	13,532
6	1,532	33	5,582	60	9,632	87	13,682
7	1,682	34	5,732	61	9,782	88	13,832
8	1,832	35	5,882	62	9,932	89	13,982
9	1,982	36	6,032	63	10,082	90	14,132
10	2,132	37	6,182	64	10,232	91	14,282
11	2,282	38	6,332	65	10,382	92	14,432
12	2,432	39	6,482	66	10,532	93	14,582
13	2,582	40	6,632	67	10,682	94	14,732
14	2,732	41	6,782	68	10,832	95	14,882
15	2,882	42	6,932	69	10,982	96	15,032
16	3,032	43	7,082	70	11,132	97	15,182
17	3,182	44	7,232	71	11,282	98	15,332
18	3,332	45	7,382	72	11,432	99	15,482
19	3,482	46	7,532	73	11,582	100	15,632
20	3,632	47	7,682	74	11,732	101	15,782
21	3,782	48	7,832	75	11,882	102	15,932
22	3,932	49	7,982	76	12,032	103	16,082
23	4,082	50	8,132	77	12,182	104	16,232
24	4,232	51	8,282	78	12,332	105	16,382

NOTES

- All mainstage battens are set at 150mm centres
- The Setting Line is the upstage face of the Proscenium Wall.
- Line A2 is obscured by the Fire Curtain Drencher Pipe and should not be used in general flying applications
- The House Curtain is situated 632mm upstage of setting line.
- Any Batten between 1 and 105 can be a lighting batten. Line 1 can only be used as a lighting batten if the House Curtain is not in use.

Panorama Battens

Panorama Battens (offstage)

Quantity	2 (1 each side)
Length	14.000m
Distance from Centre Line	10.700m
Distance from ends of across stage battens	0.950m
Drift	0.200m to 23.500m
Maximum distributed load	800kg WLL
Maximum point load	250kg WLL
Maximum speed	1.8m/s @ ≤450kg WLL; 1.2m/s @ >450kg WLL
Number of pick-ups	5
Pick-up spacing	3.300m between centres
Batten description	Prolyte ProTrack. Upper profile 60mm x 150mm. Lower profile 48.3mm dia

Lighting Ladder Battens (onstage)

Quantity	2 (1 each side)
Length	14.800m
Distance from Centre Line	10.400m
Distance from ends of across stage battens	0.650m
Drift	0.200m to 23.500m
Maximum distributed load	1000kg WLL
Maximum point load	350kg WLL
Maximum load on cantilevered batten ends	100kg WLL
Number of pick-ups	5
Pick-up spacing	3.300m between centres
Ladder details	Refer to Lighting Section

Trolley Beams and Chain Hoists

Trolley Beams (Crane Bridges)

Quantity	20
Location	4 in each of the centre 5 grid bays
Maximum load	2000kg WLL vertical only
Maximum hoist speed	1.5m/s

Chain Hoists (Suspended from trolley beams with girder trolleys)

Quantity 1000kg WLL	6
Quantity 500kg WLL	16
Maximum number of hoists per trolley beam	2
Maximum speed	1.5m/s
Variable speed	Yes
Synchronisation with battens	Yes
Compliance	BGV C1

Portable Point Hoists

Quantity	12
Maximum load	250kg WLL
Maximum speed	1.8m/s
Variable speed	Yes
Synchronisation with battens	Yes
Compliance	BGV C1

Rear Stage Battens

Fly bar 2 information

Control	OP rear stage wall
Chain hoist rating	500kg
Truss length	16.000m
Pick-up spacing	1200mm centres
Truss size	300mm c-c apex down tri truss
Number of pickups	6
Pick-up spacing	3000mm
Maximum point load	250kg
Working load limit uniformly distributed	1 tonne
Batten drift	7.500m

3 x 16m 300m Tri-Truss supported by 18 Stage-makers (1/2T) available upon request

Surtitle Screen

Available on request.

Control System

Electric Winch controlled from Prompt side of stage.

Screen information

Screen Dimensions:	6800mm x 915mm
Distance from setting line	290mm downstage
Width between pickups	4480mm
Maximum Load (UDL)	150kg
Colour	Grey

Lighting Facilities

Default Control Position

Lighting Control Room at Rear of Stalls

Single Insulated Cable Policy (FMV013)

No single insulated cable is permitted to be connected to any Arts Centre Melbourne power source. This applies to all voltages including extra low voltage (under 32 volts).

NOTE

- All electrical appliances shall be tagged with an appropriate safety tag in accordance with AS 3760:2010.

FOH distances to setting line

Position	Distance to setting line	Angle to setting line
Followspot Room	41.000m	21°
No 3 Lighting Bridge	28.500m	40°
No 2 Lighting Bridge	20.000m	51°
No 1 Lighting Bridge	15.500m	62°
Touring truss position	5.295m	
Balcony Front	27.000m	28°
Circle Front	24.500m	14°
Projection Room	30.000m	10°

Control System

Quantity	Equipment	Comments
1	PRG v676	
1	Backup pc & V676 control rack	
1	Designers View pc	
1	Onstage remote control	

DMX and Ethernet Network

Location	Item	Quantity	Notes
OP Fly Floor	PRG Supernode	1	8 port DMX Node. Accepts Artnet and sACN
OP Fly Floor	Lumen Radio Wireless DMX Transmitter	1	Can transmit 2 universes
~	Lumen Radio Wireless DMX receiver	6	
OP Fly Floor	LSC DMX Splitter	2	5 port data splitter
Floating	LSC DMX Splitter	1	4 port data splitter
PS Fly Floor	Pathport Octo	1	8 Port node
OP Fly Floor	Pathport Octo	1	8 Port node
PS Fly Floor	Pathport Duo	2	2 port node
OP Fly Floor	Pathport Duo	2	2 port node
Bridge One	Pathport Duo	1	2 port node - Port A used for Universe 1 dimmers
PS Box Boom	Pathport Duo	1	2 port node - Port A used for Universe 1 dimmers
OP Box Boom	Pathport Duo	1	2 port node - Port A used for Universe 1 dimmers
~	Pathport Duo	1	2 port node – Port A used for Orchestra sconces
DS PS	Pathport Duo	1	2 port node
US PS	Pathport Duo	1	2 port node
DS OP	Pathport Duo	1	2 port node
US OP	Pathport Duo	1	2 port node
Control Room	Pathport Duo	1	2 port node - Port A used for House Light Control
Dimmer Room	Pathport Uno	1	Single Port Node. Universe 1 for Dimmers
Control Room	Pathway Via Network Switch	2	Configured as ring redundancy with 5 VLAN's available Gigabit; opticalCON Duo; 100W PoE
OP Fly Floor	Pathway Via Network Switch	2	
Tech Serv's Room L09	Pathway Pathport VIA Ethernet Switch 12 TE	6	

Dimmers/Distros

Location	Quantity	Manufacturer/Model	Operating Mode	Capacity
Bridge #3	15	Strand PAM	Dimmer	5kW
Note: Balcony Front patches terminate here	12	LSC Gen VI	Dim/Switch	2.4kW
Bridge #2	30	Strand PAM	Dimmer	5kW
Note: Circle Front patches terminate here	12	LSC Gen VI	Dim/Switch	2.4kW
Bridge #1	20	Strand PAM	Dimmer	5kW
	12	LSC Gen VI	Dim/Switch	2.4kW
PS Box Booms	12	LSC Wallpak	Dimmer	2.4kW
	6	LSC Wallpak	Dimmer	5kW
	12	LSC Gen VI	Dim/Switch	2.4kW
OP Box Booms	9	Strand PAM	Dimmer	5kW
Pit rail patches terminate here	12	LSC Wallpak	Dimmer	2.4kW
	6	LSC Gen VI	Dimmer/Switch	5kW
	12	LSC Gen VI	Dim/Switch	2.4kW
PS Fly Floor	44	Strand PAM	Dimmer	5kW
OP Fly Floor	85	Strand PAM	Dimmer	5kW
Stage Floor	37	Strand PAM	Dimmer	5kW
	12	Jands HP12	Hot Power	2.4kW
Overhead Cable Reelers	336	ETC Sensor 3 with ThruPower	Dim/Switch	280 @ 2.3kW 56 @ 3.0kW
Portable	12	Jands HP12	Hot Power	2.4kW
	24	LSC Gen VI	Dim/Switch	2.4kW

Standard FOH Lanterns

Position	Lantern Type	Quantity	Beam Angle	Power Rating	Comment
Followspot Room	Xebex UFS 2000A	4	-	2 kW Xenon	
Bridge #3	ETC Source4 Profile	22	10°	750W	
Bridge #2	ETC Source4 Profile	30	19°	750W	
	ETC Source4 Profile	12	14°	750W	
	ETC Source4 Profile	4	15/30°	750W	
Bridge #1	ETC Source4 Profile	14	19°	750W	
Balcony Front	ETC Source4 Profile	14	15/30°	750W	
	ETC Source4 Profile	6	14°	750W	Curtain Warmer
Circle Front	ETC Source4 Profile	14	15/30°	750W	
	ETC Source4 Profile	4	14°	750W	Curtain Warmer
	ETC Source4 Profile	1	10°	750W	Curtain Warmer
PS Box Booms	ETC Source4 Profile	8	19°	750W	
	ETC Lustr 2 Profile	6	19° HD		
	ETC Source4 Profile	4	15/30°	750W	
	ETC Lustr 2 Profile	1	10°	750W	Conductor Special
	Castor Fresnel	1	8.5° - 45°	2kW	Curtain Warmer
OP Box Booms	ETC Source4 Profile	8	19°	750W	
	ETC Lustr 2 Profile	6	19° HD		
	ETC Source4 Profile	4	15/30°	750W	
	ETC Lustr 2 Profile	1	10°	750W	Conductor Special
	Castor Fresnel	1	8.5° - 45°	2kW	Curtain Warmer

NOTE

- If House Curtain is used, the Curtain Warmer lanterns must be used in their set positions.

Stage Lanterns

Type	Quantity	Beam Angle	Power
ETC Lustr 2 Profile	6	19° HD	
ETC Lustr 2 Profile	40	26° HD	
ETC Lustr 2 Profile	40	36° HD	
ETC Source 4 Profile	34	19°	750W
ETC Source 4 Profile	20	26°	750W
ETC Source 4 Profile	40	36°	750W
ETC Source 4 Profile	10	50°	750W
ETC Source 4 Profile	18	15/30°	750W
ETC Source 4 Profile	20	25/50°	750W
ETC Source 4 PAR	48	Assorted lenses	750W
Pollux Fresnel	12	12.5° - 56.5°	5kW
Castor Fresnel	1	8.5° - 45°	2kW
Selecon 10" Fresnel	84	8 - 60°	2kW
Selecon 8" PC	2	8 - 60°	2kW
Strand Cantata Fresnel	22	8 - 50°	1.2kW
Strand Iris4 cyclorama units	12	Flood	1kW
Quartz Colour Orion 4 ground row units	12	Flood	1kW
LDDE NanoPixSlim FR1440 Footlights	12	Flood	80W

NOTE

- There is no standard overhead lighting design.
- All Iris and Orion units are fitted with multi-pin connections and no individual patching is possible.
- Lens tubes are not permitted to be swapped between lantern types.

Accessories

All lanterns have accessories available. Presenters should consult with the Manager, Lighting to confirm details and quantities.

- All fresnels have 4 leaf barn doors.
- All profiles have a range of accessories available including Top Hats, Donuts, Irises, A & B size Gobo Holders.
- Assorted 240-volt cabling, 4- and 6-way looms (10m + 20m), and DMX available.

Lighting Hardware

Spot Bar Sections

Quantity	44
Dim/switch outlets	1 x 15A, 5 x 10A
DMX outlet	1, via onboard Pathport Uno C
Data outlet	1, Ethercon

Ladders

Maximum ladders per side	5
Maximum load per ladder	200kg WLL
Maximum distributed load on track	800kg WLL
Ladder dimensions	1.0m wide; 5 rungs spaced 1.0m
Ladder system description	Gerriets Cargo L track with modular ladder sections

Booms

Boom Base – on wheels	12
3.5m, 48mm round pipe	12
Round Pipe Boom Arms	60

NOTE

- Assorted boom pipes available in varying lengths.
- The maximum permitted height with the house boom bases is 3.5m. Booms more than 3.5m in height are subject to safety and engineering assessment to the satisfaction of Arts Centre Melbourne.

Three Phase Power

Quantity	Location	Amps/Outlet	Connection
Level 1 – Orchestra Assembly			
1	DSC	32A	5 Pin
1	DSC	40A	5 Pin
Level 2 – Stage Level			
1	USPS	400A	Sequential Powerlock
2	USPS	40A each	5 Pin
1	USC	40A	5 Pin
1	USOP	250A	Sequential Powerlock Paralleled with Level 6 Fly Floor Powerlock
1	USOP	40A	5 Pin
1	MSPS	30A	5 Pin
2	MSOP	30A each	5 Pin
Level 3 – Projection Room			
1	Centre	32A	5 Pin
Level 6 – Fly Floor #2			
1	USPS	40A	5 Pin
3	MSOP	40A each	5 Pin
1	USOP	250A	Sequential Powerlock Paralleled with Level 2 USOP Powerlock
Level 7 – Fly Floor #3			
1	USPS	40A	5 Pin
1	MSOP	40A	5 Pin
Level 7 – Forestage Grid			
1	Centre	32A	5 Pin
Level 7 – Followspot Room			
1	OP	160A	BUS bar w/10mm lugs
Level 9 – Grid			
4	US	40A each	5 Pin. PS, PS of C, OP of C and OP

Three Phase Power isolated for Audio

Quantity	Location	Amps/Outlet	Connection
1	DSP	32A	5 Pin
1	DSOP	32A	5 Pin
1	Bridge 1	40A	5 Pin

NOTE

- All line connections and disconnections are only to be carried out by Arts Centre Melbourne electricians.

Stage Management Facilities

Standard Operating Position

PS of stage (OP is available)

The Stage Management Console contains all standard facilities including:

- Auditorium announcement microphone
- BOH Paging
- 12 Channel SoftCue Cue light system
- Telephone
- CCTV monitors of the stage, conductor and low light camera
- Riedel 1200 Series panel connected to Artist 64 Backstage Communications system
- Clock & Timer

CCTV monitoring

Stage view

Television monitors showing the stage are standard in the following areas:

- OP Side dressing room corridor
- PS Stage wing
- PS Props room
- OP Stage wing
- OP Touring tech office
- 4 mobile trolleys with televisions and simple foldback are available, 2 with 8 channel headphone amplifiers

Conductor View

Television monitors showing the conductor are standard in the following areas:

- Centre of Circle Front
- PS FOH Box Boom
- OP FOH Box Boom

NOTE

- Additional monitors are available for hire by prior arrangement.
- The State Theatre Stage View is also transmitted to other areas of the Theatres Building.

Cameras

The following cameras are provided for use in the venue:

Purpose	Camera Position	Camera Type	Comments
Main Stage View	Circle Front	Panasonic AK-HC1800G	Fixed position with full remote functions
Low-Light Stage View	Circle Front	AVC 301D	Fixed camera
Conductor camera	Variable	Flare 2KSDI	Variable position

Comm's System - Riedel Artist

#of	Device Type	Position	Typical User
Standard allocation. These cannot be altered.			
1	RCP-1012E	Stage Manager's Desk	Stage manager
1	RCP-1112	Sound Production Office	SX staff
1	RCP-1112	Lighting Control	Lighting Operator

Qty	Type	Headset Type
21	Telex PH88	Lightweight open single ear.
24	Beyer DT 108	Closed single ear.
2	Beyer DT 109	Closed double ear
2	Riedel Pro 1	Closed single ear
1	Riedel Pro 2	Closed double ear
22	Riedel C3	2 Channel Digital Party Line Wired Beltpacks
22 plus 2 spares	Riedel Bolero wireless packs	6 Channel Digital Matrix Wireless Beltpacks

NOTE

- Extra Headsets and belt packs are available upon request. Fees may apply depending on quantity.
- The Production Desk has a range of beltpacks and headsets available for use when required.
- External systems can be integrated via Analog 4-wire and OM3 Fibre

Sound Facilities

Default Control Position
Alternate Control Position

Sound Control Room at rear of circle
Rear of stalls. See Technical & Production seating

NOTE

- A cable pulls through from the stage to the rear of the stall's auditorium exists for use by presenters. Cable length required using this system is approximately 70mtr

FOH Console & Processors

Quantity	Make & Model	Comments
1	Digico SD10	Local I/O: 8 Mic In & 8 Line Out, 8 AES In/Outs
1	Digico SD Rack	56 Inputs 32 Analogue, 8 AES Outputs Redundant optical loop to mix positions
1	WAVES Audio plugins	MGB Server One system
2	Meyer GALAXY speaker processors	Wireless laptop & iPad control

Playback and recording

Quantity	Equipment
1	MacMini running QLab Show Control software, including full redundant system

Speaker System

The sound system is configured as a Left Centre Right system

Position	Speakers
Centre Cluster	3 x Meyer MSL-4, 2 x Meyer CQ-2P
Main Left & Right	2 x Meyer 2 UPA-1P
Balcony Delay	2 x Tannoy S300 & 4 x JBL 4892
Circle/Balcony Side Fills	4 x Meyer UPM-1P
Stalls Front Fill	6 x Meyer UPM-1P
Stage Foldback	2 x Meyer UPA-2P & 2 x Meyer CQ-1 2 x JBL 4716
Orchestra Foldback	14 x Yamaha MSP5

Microphones

Quantity	Equipment
4	BSS DI
2	Neumann kmr81
18	Sennheiser MKH 8040 condenser
2	Sennheiser MKH 40 condenser
6	Shure Beta 58A
6	Shure Beta 57A
1	Shure Beta 52
6	Shure MX393 boundary

NOTE

- Extra speakers, microphones, consoles, cables and effects units are available to augment the systems. Please contact the Manager, Sound & Vision for further information.
- All sound power outlets are designated in green.

Pianos

Pianos below are shared with other venues in the building, and are listed separately to pianos listed in dressing room and rehearsal rooms:

- 1 Steinway Model 'D' Concert Grand (9'0")
- 1 Yamaha Model C5 Baby Grand (6')
- 1 Yamaha Model C3 Baby Grand (5'6")
- 1 Yamaha Upright

NOTE

- Charges apply for piano moves and tunes.

Assistive Listening System

Arts Centre Melbourne provides a phonic ear radio transmitter system for its patrons. It includes headsets and neck loops to assist with hearing of performances and all seating positions are covered. For more information, contact the Account Manager, Presenter Services.

Wardrobe Facilities

Wardrobe

A maintenance area with ironing facilities, industrial sewing machine, height adjustable work tables, fitting room, drying room and kitchenette facilities are available.

Washing Machines	4 x Speed Queen industrial
Dryers	4 x Speed Queen industrial tumble dryers
Steamers & Irons	2 x Jiffy Steamers
	2 x Steam Irons semi-industrial

NOTE:

Portable wardrobe racks are available upon request.

Wigs and Make-up Room

This area is for the maintenance of wigs and the application of specialised make-up.

Equipment includes:

Wig Drying Cabinet	Asko DC7573 with timer and temperature control
Work tables	Adjustable height
Make-up bench	For 5 performers
Kitchenette	

Broadcast & Recording

The video and/or sound recording of a performance at Arts Centre Melbourne for any purpose requires the written approval of an appropriate representative of the Trust.

Presenters proposing to record or broadcast performances should arrange a briefing with your Account Manager from Presenter Services.

Recordings require the presenter to have obtained the necessary clearances from the performers taking part and to give certain undertakings in relation to copyright, and payment to technicians. The Recording Form (Appendix D), forms part of the Presenter Licence Agreement. Broadcast allowance and associated on-costs apply for the recording for live or delayed broadcast. Details are in Appendix D of the Presenter Licence Agreement.

Video Recording

Where approval has been granted to a presenter for a public performance to be given under television conditions, all publicity and advertising for the attraction must clearly state that the performance will be televised and that such conditions will apply. It follows that arrangements to televise a performance cannot be entered into after tickets have been sold to the public.

Sound Recording

Sound recording of a performance for commercial or non-commercial performances requires the approval of an appropriate representative of the Trust. Details are in Appendix D of the Presenter Licence Agreement. Broadcast Allowance and associated on costs apply to the recording of live or delayed broadcast.

Archival Recording

Archival recordings are a simple record of the event. It is assumed that any flaws in the final recording will be inconsequential. If your recording is of importance, please contact the Sound and Vision Manager. Details are in Appendix D of the Presenter Licence Agreement

Recordings, other than archival, are subject to separate arrangement with the Manager, Sound & Vision. Please note extra sound technicians may be required to operate the equipment.

Photography

Photography is prohibited anywhere in the venue without the prior authority of an appropriate representative of the Trust. Permission to photograph performances is not unreasonably withheld provided the taking of photographs is arranged in such a way so as not to cause nuisance either to patrons or to performers.

Under no circumstances will patrons be permitted to take photographs in the auditorium.

The removal and reinstatement of seating for filming or photographic purposes will be charged to the Presenter.

Back Stage Accommodation & Telephone Numbers

Dressing Rooms and Offices

Room No	Phone Ext	Standard Access	Number of People	Facilities/Comments
20	8417	STD	2	En Suite
21	8423	STD	2	En Suite
22	8418	STD	2	En Suite - Door to Room 33
23	8419	STD	2	En Suite
25	-		14	Adjoins bathroom (No hand basins in room)
26	-		14	Adjoins bathroom (No hand basins in room)
27	-		17	Adjoins bathroom (No hand basins in room)
28	-		28	(Male Chorus) Connecting Door between rooms 28/29
29	-		10	(Male Chorus)
30	8421	Local	2	Conductor's Suite (with piano)
31	8426 8109	STD STD	4	
32	-		2	En Suite
33	-		2	En Suite
34	8429 8411	STD/ voicemail STD	4	
35	8103	Internal	2	En Suite
36	-		3	En Suite
37	-		4	(no refrigerator)
38	8172 8207	STD LOCAL	4	
39	-		36	(Female Chorus)
Warm-up 1				Piano
Warm-up 2				Piano
Warm-up 3	8284	STD		Piano
Masseur	8409	STD		Desk, Massage Couch
Corridor	8141 8144	Internal only		Adjacent to room 25 Adjacent to room 37

NOTE

- Handsets are available upon request and all call charges apply.
- Fees apply to any changes to the standard access.
- Most Dressing Rooms have refrigerators. Hand basins and portable wardrobe racks are available for all rooms.
- Dressing Rooms without en-suite have access to nearby toilet blocks and showers.

Technical & Production Offices

Room No	Phone Ext	Standard Access	Number of People	Facilities
Visiting Mechanical	8112 8113	STD Local	2	Located OP side stage, Desks & Talkback Stage view monitor
Visiting Lighting	8114 8415	STD STD	2	Located OP side stage, Desks & Talkback Stage view monitor
Production Office (Dressing Rooms 40 & 41)	8118, 8133 8424, 8430, 8187, 8208, 8422, 8160	All STD	4 x Desks	Printer Photocopier (Charges apply for paper usage) Stage view monitor

The following production offices are located on Level 3 and are only available by prior arrangement.

Room No	Phone Ext	Standard Access	Number of People	Facilities
Suite 1	8731 8732	STD	2	Stage view monitor
Suite 2	8730 8270	STD	2	Stage view monitor, fridge, kitchenette
Suite 3	8131 8124 8125 8213	STD	4	Stage view monitor

NOTE

- Broadband internet is available to certain locations upon request. Fees apply.

Telephone numbers

Area	Position	Ext. No	Standard Configuration
Stage Door	Level 6 St Kilda Rd	8320	
Security	Level 6 St Kilda Rd	8316	
Arts Centre Melbourne Production Staff	Stage Supervisor	8412	Voice mail connected
	Senior Technician	8105	Voice mail connected
	Lighting Supervisor	8083	Voice mail connected
	Sound Supervisor	8469	Voice mail
	Fly Floor	8498	Voice mail connected
	Wardrobe Supervisor	8110	Voice mail connected
	Crew Room	8132	(Blue Room)
Control Rooms	Dome Room	8507	Voice mail connected
	Lighting	8481	Voice mail connected
	Projection	8439	
	Sound	8496	
	Surtitles	8438	
Orchestra	Assembly room	8401	
	Management	8128 & 8115	Permanently used by SOV
Prompt Corner	Stage Manager	8408	
Props Room	PS stage	8413	
Rehearsal Room	Level 3	8485	
Wardrobe		8414	
	Wigs and Make-up	8116	
Winch Room	Level 9	8543	
F.O.H. Supervisor	Located Level 5 Foyer opposite escalator	8130	
Function Room	State Theatre Lounge	8127	Phone located in kitchen
The following lines can be installed if requested			
Production Desk	Stalls position	8477/8266/8091	

Rehearsal Room

For orchestral rehearsals, overhead incandescent floodlighting is available by prior arrangement. A stock of chairs and props tables are available. Charges may apply.

Size	17.500 x 12.000m
Height to underside of lighting grid	4.750m
Facilities	Fixed Ballet Barres & Mirrors
Piano	Yamaha Concert Baby Grand C5PE

NOTE

- If the Rehearsal Room is not required by the State Theatre Resident Company, Presenter Services may release the room to another Presenter.

Reimagining Arts Centre Melbourne

IMPORTANT CHANGES

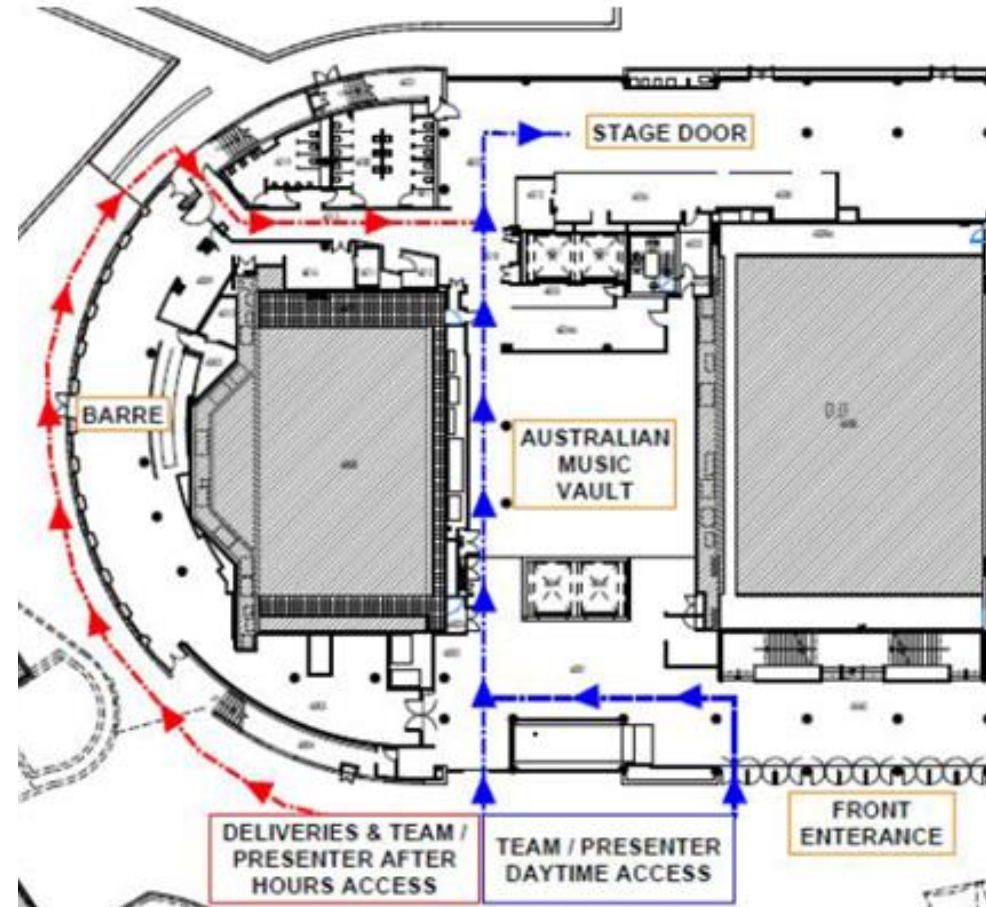
Arts Centre Melbourne is in a period of transformation. We are entering major construction phases at the western end of the building. Please note these important changes to egress in the Theatres Building.

Stage Door now on Level 6

The Stage Door of the Theatres Building is situated at the rear, western side of the building and can be accessed via the St Kilda Rd front entrance during the day via the corridor through the Australian Music Vault.

After-hours access to Stage Door is via the door next to The Barre restaurant on the southern NGV side. Both access points provide a no step route and have an intercom which connects to our 24-hour security control room.

If you have particular access requirements, please call Arts Centre Melbourne (ACM) **Security on 03 9281 8316**.



Theatres Building map excerpt

Map to Stage Door, Level 6.

Reimagining Arts Centre Melbourne

Level 5 - Access to Stage Door

If you have entered the building from Level 5, please use the lift to access Stage Door on Level 6.



We have entered major construction phases on Sturt St. It is vital egress and emergency exit signage on Level 5 is followed.

In the case of emergency, please avoid the lifts and follow emergency exit signage to evacuate the building.

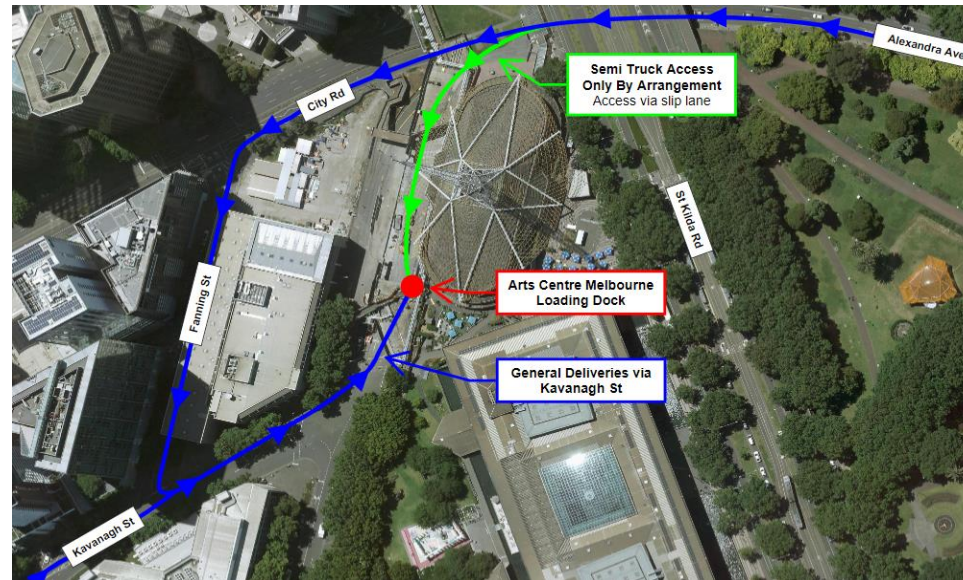
Level 9 - Temporary Tenancy

The western end of Level 9 is temporarily occupied by Lendlease for the duration of Re-imagining Arts Centre Melbourne.

Lendlease staff and construction workers will access Level 9 via the Theatre Building lifts.

Loading Dock Access – Level 5

- The loading dock is now accessible via Kavanagh St. **Sturt St Access is closed.**
- Semi-Truck access via City Road slip lane by arrangement ONLY.
- If you have delivery requirements, please call **ACM Deliveries on 03 8699 9548.**



All drop off and pick-up deliveries will occur in a new dock area, outside the scenery lift. There will be a single, roller-door acceptance point with a doorbell.

