

TECHNICAL SPECIFICATION

THE PLAYHOUSE

geelong
arts
centre

VENUE ADDRESS:
GEELONG ARTS CENTRE
50 LITTLE MALOP STREET
GEELONG, VICTORIA, 3220



CREATIVE VICTORIA

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VENUE OVERVIEW

The inclusion of a balcony in the design of this 764-seat proscenium arch theatre provides a warm, magical atmosphere popular with performers and audiences alike.

The fly tower, excellent technical facilities, spacious dressing rooms and Green Room area makes the theatre suitable for a wide variety of large events. The venue is extensively used for live theatre, major concerts, dance performances, and corporate launches.

Multiple redevelopments have seen grand improvements in The Playhouse including refurbishment of the auditorium with all seating replaced. Most recently the theatre received upgraded technical systems including the installation of new digital dimmer racks and lighting outlets, a new Martin PA system with centre and side arrays on power winches, and a new single purchase front loading counterweight flying system, significantly increasing the capacity of each line set.

The lift control system in the forestage orchestra pit features significant safety enhancements. A new mobile Stage Management Console provides talkback, paging and program relay to all backstage areas.

Facilities outside of the footprint of the existing fly tower were replaced with new facilities for artists and crew. These include dressing rooms, green rooms, laundry with a drying room, visiting company office and crew room.

AUDITORIUM SEATING

Capacity	764
Stalls	450
Balcony	314

Wheelchairs can be accommodated by prior arrangement.

Additionally, the use of the Orchestra Pit/ Thrust Stage &/ or Production Desk Positions will impact the number of seats available for sale.

PRODUCTION DESK POSITIONS

House seating can be removed to facilitate production equipment and operation. Any removal of seating must be confirmed prior to tickets going on sale.

Removable seating is only available in the following locations:

Mid Stalls Centre: L14-21 & M14-21

Balcony Centre: E14-19 & F14-19

FIRE SAFETY

All scenery and staging elements must be adequately flame proofed.

ELECTRICAL SAFETY

All electrical equipment must display a current Test Tag.

LOADING DOCK

Loading Dock 1 is the main loading dock for the Playhouse.
The entrance to the loading dock is fitted with a roller door.

LOADING DOCK 1:

Access: Access: Is via Police Lane of Little Malop Street. Vehicles must depart via Ryrie Street

Loading Bay Entrance	Width	3,600mm
	Height	4,500mm
Dock Height		1,200mm
Length of loading bay Roller door to Bumpers in front of the dock		1,9500mm

Dock Leveller	Safetech	
Dimensions	Length	2,820mm
	Width	2,110mm
Lip Depth	490mm	
Lip Width	1,950mm	
Nominal Overall Travel Up	750mm	
Nominal Travel Down	195mm	
Dock Leveller Rollover Capacity	1,2500kg	

Geelong Arts Centre must be informed of all vehicle weight and sizes a minimum of 2 weeks prior to arrival.
If this information is not received, then dock/venue access will not be granted.

ACCESS FOR SCENERY

Is directly from the loading dock through the scene dock onto the Playhouse stage through two sets of doors.

OUTER DOORS

Width: 2,748mm

Height: 5,058mm

INNER DOORS

Width: 2,180mm

Height: 4,800mm

DIMENSIONS

PROSCENIUM

Width: 12.13m Height: 7.78m

STAGE

DEPTH

Front of stage to setting line 1.27m
(Stage edge to proscenium opening)

Depth from front edge
of stage to back wall 12.81m

STAGE WIDTH

Wall to wall 26.64m
O.P. from centre 15.5m
P.S from centre 11.14m
P.S. from centre to hand flies 10.45m

STAGE SURFACE

Rake – Nil
Material – Timber (Masonite covered) 3 cm
Masonite width (equal on centre line) 17.364m
Wings – concrete
All flush

STAGE HEIGHT

To underside of grid 18.22m
Under fly galleries 8.5m
Clear space under fly galleries 7.285m
Loading Bay 16.715m

STAGE TRAP

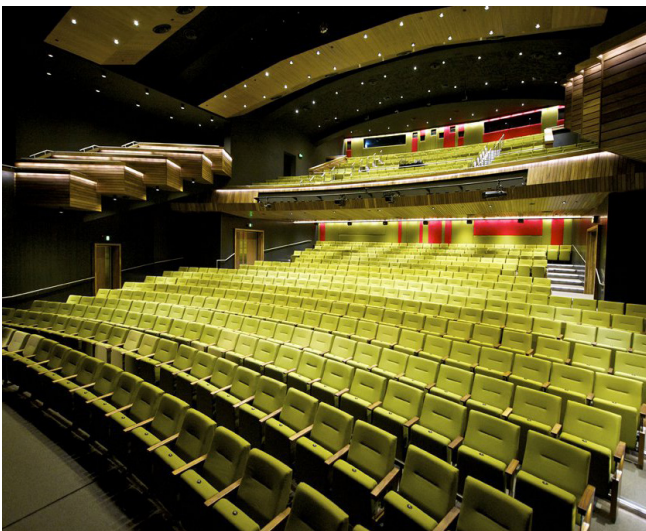
Nil

WIDTH BETWEEN FLY GALLERIES

Gallery to gallery 18.545m

O.P. WING DIMENSIONS

Width 6.7m
Depth 11.3m
Height 7.4m



ORCHESTRA PIT

Orchestra Lift (Crescent shaped) - Electrically operated by Acme thread screws, the orchestra lift may be used in a number of ways:

1. As forestage at stage level
2. As additional two rows of seating at auditorium level - 1.3m below stage level (standard position)
3. As an Orchestra Pit - 2.44m below stage
4. As a platform self-locking at any position between Orchestra Pit level and Stage level

ORCHESTRA PIT DIMENSIONS

13.88m	12.66m	2.7m	1.57m
Radium front, wall to wall straight across	Straight back	Width at centre	Width at walls (on a slight angle)

Designed for 50 musicians

UNDER STAGE SECTION DIMENSIONS

1.8m	12.165m	2.085m	2.25m
Width	Length	Height at the back	Height at the front

STAGE MACHINERY

FLY BARS

45 single purchase counter-weight sets, with 450kg barrel weight limit evenly distributed.
Operated from stage floor, prompt side.

PANORAMA BARS

2 single purchase counter-weight sets, with 450kg barrel weight limit evenly distributed.
Operated from stage floor, prompt side.

ACCESS EQUIPMENT

JLG 20MVL – self-propelled elevating work platform (Total Weight: 1050kg. Max Platform Height: 5.94m).

STANDARD HANGING PLOT

Line Type: **SP** = Single purchase, **DP** = Double purchase, **MW** = Motor Winch, **HW** = Hand Winch, **HL** = Handlinem, **W.L.L**: Maximum distributed load including bar weight.

LINE #	DISTANCE FROM SL	TYPE	W.L.L	VENUE ALLOCATION	INTENDED USE (hiring company use)
1	120mm	SP	450kg		
2	236mm	SP	450g	Teaser	Not Available for Use
3	441mm	SP	450kg	House Curtain	Not Available for Use
4	636mm	SP	450kg		
5	801mm	SP	450kg		
6	1,046mm	SP	450kg	Lighting Bar 1	
7	1,441mm	SP	450kg		
8	1,631mm	SP	450kg	Border 1	
9	1,831mm	SP	450kg	Leg 1	
10	2,031mm	SP	450kg		
11	2,231mm	SP	450kg	Lighting Bar 2	
12	2,511mm	SP	450kg		
13	2,838mm	SP	450kg	Quarter Stage Tabs	
14	3,031mm	SP	450kg	Border 2	
15	3,231mm	SP	450kg	Leg 2	
16	3,431mm	SP	450kg	Lighting Bar 3	
17	3,631 mm	SP	450kg		
18	3,836 mm	SP	450kg		
19	4,045 mm	SP	450kg		
20	4,431 mm	SP	450kg		
21	4,631 mm	SP	450kg		
22	4,831 mm	SP	450kg	Border 3	
23	5,031 mm	SP	450	Leg 3	
24	5,431 mm	SP	450kg	Lighting Bar 4	
25	5,836 mm	SP	450kg	Half Stage Tabs	
26	6,236 mm	SP	450kg		
27	6,426 mm	SP	450kg	Border 4	
28	6,631 mm	SP	450kg	Leg 4	
29	6,826 mm	SP	450kg	Lighting Bar 5	
30	7,446 mm	SP	450kg		

LINE #	DISTANCE FROM SL	TYPE	W.L.L	VENUE ALLOCATION	INTENDED USE (hiring company use)
31	7,636 mm	SP	450kg		
32	7,836 mm	SP	450kg		
33	8,036 mm	SP	450kg		
34	8,226 mm	SP	450kg		
35	8,446 mm	SP	450kg	Border 5	
36	8,836 mm	SP	450kg	Leg 5	
37	9,036 mm	SP	450kg		
38	9,236 mm	SP	450kg	Lighting Bar 6	
39	9,636 mm	SP	450kg		
40	9,636 mm	SP	450kg		
41	9,846 mm	SP	450kg	Full Stage Black Tabs	
42	1,0041mm	SP	450kg	Panorama Bar	Prompt Side
43	1,0246 mm	SP	450kg		
44	1,0446 mm	SP	450kg	Cyclorama	

STAGE DRAPES

LEGS

Five pair of 9.6m drop x 4.6m wide

Material: Black wool 528g/sq.m, Slight Fullness

BORDERS

Five of 3.0m drop x 17.7m wide

Material: Black wool 528g/sq.m, No Fullness

TABS

Three pair of 9.6m drop x 17.7m combined width with overlap for French Action

Material: Black wool 528g/sq.m, Slight Fullness

CYCLORAMA

One pair of white 9.26m drop x 16.35m wide

Material: White Filled Shark Tooth

Note: Cannot be relocated from allocated counterweight line

SCRIMS

2 x black & 1 x white cotton scrims are available

9m x 16m

HOUSE TABS & HOUSE TAB BORDER

Red Velvet Curtain on tormentor wires to cover Proscenium opening, with fullness. Can be flown.

Top Masking for house curtain, same material as house curtain.

STAGE MANAGEMENT CONTROL DESK

Paging and programme relay to all backstage areas
Talkback communication to all production areas
Front of house announce microphone - see below
Cue light system (not installed. 7 2-channel sets available)
CCTV monitoring of stage
Dimmable desk lamps

The Stage Manager's Control system may be operated from DSPS or DSOP.

PRE-SHOW ANNOUNCEMENTS

Geelong Arts Centre has a pre-recorded announcement that is played prior to all performances in our theatres. The announcement will be played as the theatre goes to blackout prior to the start of the show. If you believe playing the message at this time will affect the artistic integrity of your show, please discuss the timing with the Supervising Technician on duty. It may be possible to play it 3 minutes before curtain as the audience are still coming into the house.

AUDIO FACILITIES

LOUDSPEAKER SYSTEM

The main speaker system is a Martin WPS Line Array and is configured as a Left/Centre/Right system with centre cluster of Martin Audio SXCF118 sub-woofers. Line arrays and sub-woofers are beamsteered to provide superior signal-to-noise performance on stage offering a more stable and dynamic sound system.

Complementing the main speaker system are integrated Martin CDD5B speakers providing front fill and Martin CDD8B rear delays on both the stalls and balcony levels.

All of these loudspeakers are integrated together to provide an excellent consistent audio response across all seating areas within the venue with excellent acoustic imaging to the stage area.

Signal distribution utilises a digital Dante audio network and support for legacy analogue equipment is included in the loudspeaker system solution.

DRIVE AND CONTROL

Martin Audio IK810 - Dante - Array

1 x Q-Sys Core 8 FLEX DSP to provide loudspeaker EQ and pre-set control.

16 x16 ch Dante license and scripting licenses

Audio distribution available using the in-house distributed Cat6A (Dante) network and an extensive balanced audio patching infrastructure.

SPEAKER TRIM HEIGHT

Bottom of speaker to stage height: TBC

Flown Left and Right: TBC

Centre cluster: TBC

DRIVE AND CONTROL

Martin Audio IK810 - Dante - Array Speakers

Martin Audio IK42 - Dante - Subs

MIXING CONSOLE

Allen & Heath DM48 MixRack with S5000 control surface.

3x DX168 stage box available.

AUDIO POWER

Green audio power points are spread across all mix positions in the theatre, as well as positioned adjacent to the stage patch panels.

CABLING

There is a number of 3pin XLR and single mode fibre cables available at various lengths.

PLAYBACK

MacBook Pro with QLab 4 Audio & Video Licences, at additional cost.

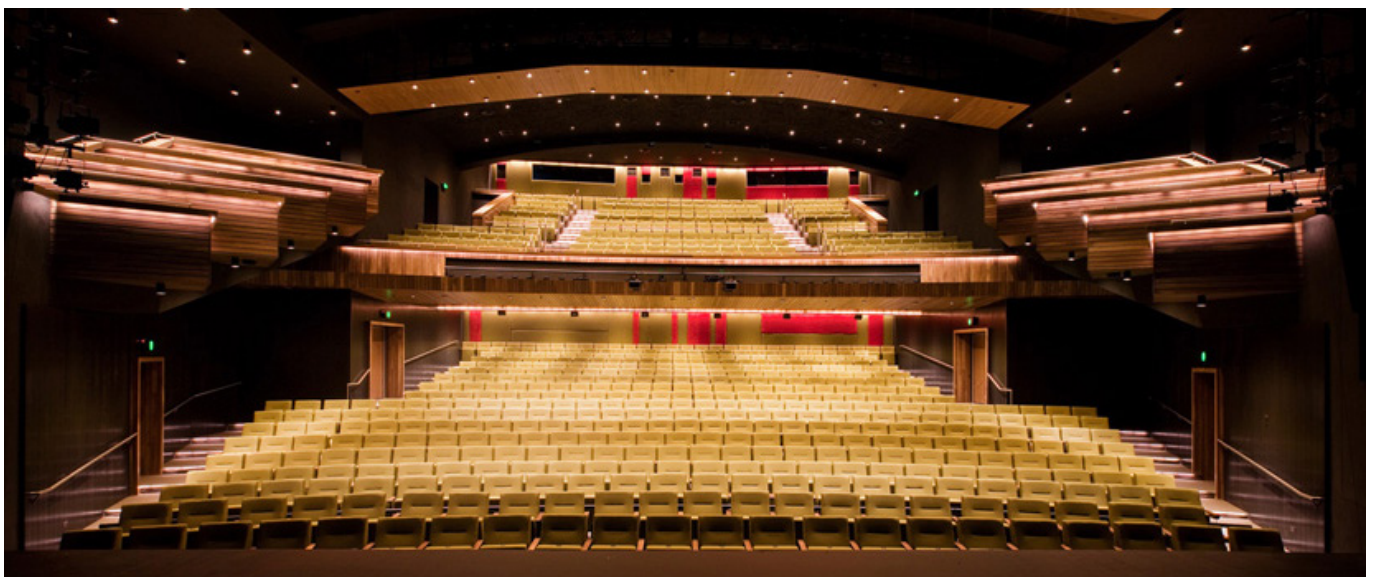
PROJECTION FACILITIES

PROJECTOR

TBC

SCREEN

Monoblox 64 Fast Fold Screen
508cm x 294cm (16'8" x 9'8")



LIGHTING FACILITIES

MAIN LIGHTING CONTROL DESK

ETC GIO (2 x 5 pin DMX Outputs, System Count: 4096) c/w: 1 x external 2 x 20 Universal Fader Wing
2 x external VGA monitors (w. display port to VGA adaptors), keyboard and mouse

DMX RETICULATION

TBC

DIMMERS

3 x LSC Unity 96 channel Dimmers/distro rack mounted –
2.4kw Dimmers. 32x LSC 12-way 10A TruPower modules

TOTAL AVAILABLE DIGITAL DIMMERS: 288

FRONT OF HOUSE LIGHTING LOCATIONS

BRIDGES

Bridge No. 1

21x 10Amp Hardwired Dimmers. Circuit numbers 1-21

OP Balcony Box Front

4x 10Amp Hardwired Dimmers. Circuit numbers
47 - 50

Bridge No. 2

21x 10Amp Hardwired Dimmers. Circuit numbers 22 - 42

Orchestra Bar

4x 10Amp Hardwired Dimmers. Circuit numbers
277 - 288

Balcony Front

22x 10Amp Hardwired Dimmers. Circuit numbers 75 - 96

PS Balcony Box Front

4x 10Amp Hardwired Dimmers. Circuit numbers 43 - 46

STAGE

On Stage there are 6 lighting bars.

Lighting bars 1 – 5 have 24x 10Amp Hardwired Dimmers.

Lighting bar 6 has 12x 10amp Hardwired Dimmers.

LUMINAIRE ALLOCATION

- 16x ETC Source 4 Ellipsoid Profiles (750W) - 26° Fixed Beam
- 6x ETC Source 4 Ellipsoid Profiles (750W) - 36° Fixed Beam
- 9x ETC Source 4 Ellipsoid Profiles (750W) - 19° Fixed Beam
- 52x Strand Cantata 6" Fresnels (1.2kW) + B/Door
- 10x Elation LED SixBar1000 (12W) - RGBAW+UV w/Reflector
- 25x Show Pro Quad18 (8W) - LED RGBW Par
- 8x ROBE DL4X (480W) - RGBW LED Moving Spot (Subject to additional charges)
- 2x Robert Juliat Korrigan (1kW) - 1200HMI Follow Spots

LIGHTING POWER

3Phase power is distributed to all portable Dimmer locations.

Additional outlets are located:

Stage – US Prompt	Wire in only, additional charges apply	1 x 100 Amp
Stage – US Prompt		2 x 40 Amp 5 pin
OP wings downstage floor level		1 x 30 Amp 5 pin
OP fly floor		1 x 30 Amp 5 pin
PS fly floor		1 x 30 Amp 5 pin
Front of House Bridge 2		1 x 30 Amp 5 pin
Front of House Bridge 1		1 x 30 Amp 5 pin
Orchestra Pit		1 x 30 Amp 5 pin

Numerous 10, 15 and 20 amp circuits throughout building.
Refer standard lighting layout for additional information.

DRESSING ROOMS & FACILITIES

The Dressing Rooms are located on three levels. Dressing Rooms are shared across all the venues in the Centre.

Dressing Rooms 8 and 9 are located and accessible from Stage Left and Lift 3. Dressing Rooms 3-12-13-17 are located and accessible from Stage Right and Lift 1, 1-4 are located above stage level and are accessed via a stairwell located in the upstage opposite prompt corner.

DRESSING ROOM – NUMBERS AND FACILITIES

ROOM NO.	LEVEL	SIZE	BASINS	TOILET ENSUITE	SHOWERS ENSUITE	MAKE-UP TABLES
1	G	38m ²	3	0	0	10
2	G	38m ²	3	0	0	10
3	G	14m ²	1	1	1	3
4	G	14m ²	1	1	1	3
5	G	14m ²	1	0	0	5
6	G	17m ²	1	1	1	5
7 (quick change)	G	8m ²	0	0	0	2
8 (quick change)	1	7m ²	0	0	0	2
9	1	10m ²	1	1	1	4
10	1	19m ²	1	1	1	4
11	1	20m ²	1	1	1	4
12	1	16m ²	1	1	1	2
13	1	14m ²	1	1	1	2
14	1	14m ²	1	1	1	2
15	2	40m ²	3	1	1	12
16	2	37m ²	3	1	1	12
17	2	15m ²	1	1	1	4
18	2	22m ²	1	1	1	6
19	2	22m ²	1	1	1	6
20	2	19m ²	1	1	1	2

WARDROBE FACILITIES

There is a well-equipped Laundry with an adjoining Drying Room and Costume Workshop/Store located on the Lower Ground Floor. The Wardrobe Department and Dressing Rooms are all equipped with portable wardrobe racks.

Laundry	3x Commercial Washer	
	3x Commercial Dryers	
	Electric Steam Irons	
	Ironing Boards	
	Steamer Unit	
	2x Work Benches	
	Fume Extractor (for wig maintenance)	
Drying Room	Length	5,180mm
	Width	2,500mm
Costume Workshop/Store	2x Work Benches	

ADDITIONAL EQUIPMENT

Additional Lighting and Audio/Video equipment not included in the standard schedule of equipment may be subject to additional charges and availability.

OUTSIDE BROADCAST FACILITIES

TBC

REHEARSAL ROOMS

The Centre has 4 rehearsal Studios with access to amenities and kitchenettes. All Studios have sprung floors suitable for dance, and are equipped with mirrors, black masking and grids for lighting.

ROOM	LEVEL	SQ M	DESCRIPTION	CAPACITY
Studio 1	L3 Ryrie Street	109m ²	Multipurpose Studio Space	31
Studio 2	L3 Ryrie Street	138m ²	Multipurpose Studio Space	31
Studio 3	L4 Ryrie Street	117m ²	Multipurpose Studio Space	31
Studio 4	L4 Ryrie Street	279m ²	Rehearsal and Performance Studio Space	124

ACCESS & PARKING

STAGE DOOR

Hirers and staff must enter and exit the Centre through the stage door located off Little Malop Street.

PARKING

Geelong Arts Centre does not have any on-site parking. Street parking is available around the Centre.

Off-street parking options:

The Civic Centre Car Park is located opposite the City Hall in Gheringhap Street.

Parking is available Monday to Thursday from 7:30am - 6:00pm.

Friday and Saturday 7:30am - midnight.

Free parking offered after 6:00pm.

Haymarket Car Park is located on Myers Street with all day metered bays.

CONTACTS

Please refer all Technical queries to technical@geelongartscentre.org.au

Ben Van Dillen

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