

TECHNICAL SPECIFICATION

geelong
arts
centre

STORY HOUSE

50 LITTLE MALOP STREET
GEELONG, VICTORIA 3220



CREATIVE VICTORIA

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VENUE OVERVIEW

This innovative and flexible space can be used for a range of performances and considers digital trends in theatre production and live experiences, including scenic projection, rigging and audio. Seating up to 550 patrons depending on mode and arrangement, or 850 in 'flat floor gig mode', the space offers a range of formats, including: Traditional End on Theatre, boasting balcony and circle levels, Thrust, Traverse and In The Round. With contemporary, varied and versatile seating layouts, that are also removable to reflect the space's range of uses, the Story House maintains intimacy by removing the typical separation constraints of an auditorium and stagehouse found in a proscenium house, allowing the artistic content to rule.

Specialist stage-lighting, rigging, staging and audio-visual systems infrastructure are provided to quickly transform and bring to life, the theatre in its various formats and to allow the space to transform and present in many unique and engaging stage / audience formats. The Story House allows audiences to immerse themselves in new worlds, experience a sense of occasion and ensure the creation of exceptional and extraordinary experiences.

AUDITORIUM SEATING

End Stage	550
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*Loss of 45 seats when Orchestra Pit is in use

Flat Floor Gig Mode	800
Stalls (Standing GA)	451
Dress Circle (Seating)	163
Balcony (Seating)	186

Banquet	200
Stalls (tables of 10 pax)	200

VIP Cabaret Mode	433
Stalls (Tables of 4 pax)	60
Stalls (Theatre seating)	56
Dress Circle	155
Balcony	162

In the Round	385
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PRODUCTION DESK POSITIONS

A Production Desk can be located at the following locations;

- Centre Auditorium, flat floor (Seating bank retracted)
9m from setting line, 0mm elevation
- Centre Auditorium, on retractable seating
9m from setting line, 800mm elevation from stage
- House Left, flat floor (Seating bank retracted)
9m from setting line, 0mm elevation

LOADING DOCK

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

LOADING DOCK 1:

Access: Is via Police Lane off 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 Leveller		19,500mm
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	12,500kg	

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 Story House stage through two sets of doors.

Outer Doors (hinged powered doors opening into scene dock)	Height	5,000mm
	Width	3,700mm
Inner Doors (hinged manual doors opening towards scene dock)	Height	4,000mm
	Width	3,500mm

DIMENSIONS

To accommodate a number of different staging modes for performances and events the following physical elements of the Story House can be altered:

- Forestage created by removing seating trucks on lift one and raising the lift to the same height as the stage.
- Various size orchestra pits formed by removing seating trucks on Lifts 1 and 2 and storing trucks under the stage or utilizing them in other seating formats.
- Proscenium arch removed by tracking the tormentor panels to the sides and flying out the header panels.
- Orchestra pit lifts raised to same level as auditorium floor and stage by removing the seating trucks.
- Stalls raked seating unit retracted to form a flat floor across the 'room'

FLAT FLOOR GIG MODE

0000mm
FLOOR DEPTH

Front edge of stage to upstage wall

STAGE SURFACE

Rake	Nil
Material	Timber (30mm Yellow Tongue) covered with Masonite (6.4mm painted black)

STAGE HEIGHT

Stage to ceiling	14,600mm
To underside of grid	N/A (No Grid)
Under fly battens	14,000mm

END STAGE MODE

Variable opening Proscenium

PROSCENIUM

Standard Performance height	6,250mm
Standard Performance width	12,000mm

STAGE DEPTH

Setting line to upstage wall	10,000mm - standard position
Edge of stage to upstage wall	10,000mm - standard position
	12,150mm – thrust stage
Setting line to most upstage batten	9,800mm

STAGE WIDTH

Wall to wall	21,600mm
O.P. from centre	10,800mm
P.S from centre	10,800mm

STAGE HEIGHT

Stage to ceiling	14,600mm
To underside of grid	N/A (No Grid)
Under fly battens	14,000mm

STAGE SURFACE

Rake	Nil
Material	Semi sprung 30mm yellow tongue timber floor covered with 6.4mm Masonite painted black
Wings	Semi sprung 30mm yellow tongue timber floor covered with 6.4mm Masonite painted black
Stage floor weight loading	SWL 750kg/m2

STAGE TRAP

Nil

ORCHESTRA PIT

ORCHESTRA PIT DIMENSIONS

Length	14,400mm
Width	2,150mm
Height	2,420mm

*A larger orchestra pit can be formed by also utilising Lift 2

UNDER STAGE SECTION DIMENSIONS

Length	14,400mm
Width	2,300mm
Height at the back	2,455mm
Height at the front	2,269mm

STAGE MACHINERY

GENERAL

The Stage Engineering for the Story House is comprised of a power flying system. There are two 300mm box truss' positioned between the lighting bridges in the centre of the auditorium, 21 batterns rigged over the stage house when in end on mode, and four 300mm box trusses over the stagehouse.

FLY BARS

21 motorised winch bars.

4 x 300mm box truss' rigged from four 250kg motors.

PANORAMA BARS

2 motorised winch line sets, with 250kg barrel weight limit evenly distributed.

CONTROL SYSTEM

XM Automation - XMove Console

- 4x Independent Playbacks with control speed belt
- Custom illuminated programming keyboard and trackpad
- Up to 8 targets within a move.

Additional onstage control console.

LIGHTING BARS

The venue is equipped with portable internally wired bars (IWBs). These can be shifted between battens.

ACCESS EQUIPMENT

Haulotte Optimum 8AE Scissor Lift (Max Platform Height: 5770mm)

JLG 20MVL self-propelled elevating work platform (Max Platform Height: 5940mm).

STANDARD HANGING PLOT

Line Speeds: FS – fixed, VS – Variable speed, p/s – maximum speed per second

Line Type: BT – 300mm Box Truss, ML – Motorised Line set

Setting Line: Front edge of the stage

W.L.L.: Maximum distributed load including bar weight

LINE #	DISTANCE FROM SL	SPEED	W.L.L	TYPE	VENUE ALLOCATION	INTENDED USE (hiring company use)
1	530mm	2m/s VS	250kg	ML	House Curtain	
2	710mm	1.2m/s VS	500kg	ML		
3	1025mm	1.2m/s VS	500kg	ML	LEGS 1	
4	1,300mm	1.2m/s VS	500kg	ML	Lighting Bar 1	
5	1,620mm	1.2m/s VS	500kg	ML		
Truss 1	1,950mm	4m P/M	1000kg	BT		
7	2,465mm	1.2m/s VS	500kg	ML		
8	2,855mm	1.2m/s VS	500kg	ML		
9	3,200mm	1.2m/s VS	500kg	ML		
10	3,530mm	1.2m/s VS	500kg	ML	LEGS 2 + BORDER 1	
Truss 2	4,100mm	4m P/M	1000kg	BT	Lighting Bar 2	
13	4,560mm	1.2m/s VS	500kg	ML		
14	4,780mm	1.2m/s VS	500kg	ML		
15	5,240mm	1.2m/s VS	500kg	ML		
16	5,570mm	1.2m/s VS	500kg	ML	MID STAGE TABS	
17	5,940 mm	1.2m/s VS	500kg	ML	LEGS 3 + BORDER 2	
Truss 3	6,570 mm	4m P/M	1000kg	BT	Lighting Bar 3	
21	7,090 mm	1.2m/s VS	500kg	ML		
22	7,420 mm	1.2m/s VS	500kg	ML	Lighting Bar 4	
23	7,790 mm	1.2m/s VS	500kg	ML	BORDER 3	
24	8,140 mm	1.2m/s VS	500kg	ML		

LINE #	DISTANCE FROM SL	SPEED	W.L.L	TYPE	VENUE ALLOCATION	INTENDED USE (hiring company use)
25	8,500 mm	1.2m/s VS	500kg	ML	LEGS 4 + BORDER 4	
Truss 4	9,030 mm	4m P/M	1000kg	BT	Lighting Bar 5	
29	9,520 mm	0.4m/s FS	500kg	ML	Black Smother	
30	9,720 mm	0.4m/s FS	500kg	ML	Cyclorama	
P1	N/A	0.4m/s FS	250kg	ML	Panorama Masking	
P2	N/A	0.4m/s FS	250kg	ML	Panorama Masking	

STAGE DRAPES

HOUSE CURTAIN

Black Velvet

Heading: 15,000mm

Drop: 8,000mm

LEGS

8 x Black Wool Surge.

Heading: 3,000mm

Drop: 8,000mm

Fullness: 0%

BORDERS

4 x Black Wool Surge.

Heading: 15,500mm

Drop: 2,000mm

Fullness: 0%

TABS

2 x Black Wool Surge.

Heading: 13,000mm

Drop: 8,000mm

Fullness: 0%

CYCLORAMA

1 x White Filled Shark Tooth

Heading: 15,000mm

Drop: 8,000mm

Fullness: 0%

SMOTHER

1 x Black Wool Surge.

Heading: 15,500mm

Drop: 6,400mm

Fullness: 0%

SCRIM

Black Shark Tooth Scrim.

Heading: 15,500mm

Drop: 6,400mm

Fullness: 0%

PANORAMA

6 x Black Wool Surge.

Heading: 3,000mm

Drop: 8,000mm

Fullness: 0%

STAGE MANAGEMENT CONTROL SYSTEM

The Stage Manager's console is mounted on castors and can be moved to maximise prompt side wing space.

Paging and program relay to all backstage areas
Talkback communication to all production areas
Type: Riedel Bolero
Front of house announce microphone - see below
Cue light system: ETC Cuespider
CCTV monitoring of stage
Dimmable desk lamps

PRE-SHOW ANNOUNCEMENTS

Geelong Arts Centre has a pre-recorded announcement that is played prior to all performances in our venues. 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.

STAGE COMMUNICATION

Riedel Artist 1024 Communications System
PunQtum Q210 Speaker Stations
7x Bolero Wireless Beltpack
6x Wired Beltpacks

AUDIO FACILITIES

LOUDSPEAKER SYSTEM

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

To complement the main speaker system, Martin Audio CDD5 speakers provide front fill reinforcement and Martin Audio CDD8 & CDD12 speakers provide reinforcement for both the circle and balcony levels.

All loudspeakers are integrated together to provide a coherent and consistent frequency response across all seating areas within the venue and excellent acoustic imaging to the stage area.

Additional Martin Audio ground-stacked sub-woofers are available upon request.

DRIVE & CONTROL

MARTIN AUDIO iK42 & iK81 AMPLIFIERS QSC CX-Q 4K8 & CX-Q 8K8 AMPLIFIERS

QSC Q-SYS CORE

EXTERNAL CONNECTIVITY AVAILABLE USING THE IN-HOUSE DISTRIBUTED BALANCED ANALOGUE AUDIO PATCHING INFRASTRUCTURE.

MIXING CONSOLE

DiGiCo SD12

1x SD Rack connected to SD12 via optical loop

I/O – 7x Mic/Line XLR Input cards, 4x Line XLR Output cards

DISTRIBUTION

Audio distribution available using the in-house Cat6A, balanced analogue XLR, and single-mode fibre local patches.

MONITORS

6x RCF NX 12-SMA

2x RCF NX 15-SMA

Additional monitor speakers available upon request at additional cost

1x Martin Audio SXP118 sub-woofer - available upon request at additional cost

4x Sennheiser EK 2000 IEM receivers - available upon request at additional cost (additional IEMs available - subject to availability)

2x Sennheiser SR 2050 IEM transmitters (2 stereo or 4 mono)

MICROPHONES

4x Shure Beta 58A

4x Shure SM 58

4x Shure SM57

2x Sennheiser e609

1x Shure Beta 57A

1x Shure Beta 27A

4x Sennheiser e604

1x Sennheiser e602

1x DPA 405

3x AKG C451 B

2x Sennheiser e614

2x Austrian Audio CC8

2x Shure MX418 Lectern

2x DPA 4099

3x BSS AR-133

3x Radial J48

1x Radial USB-Pro DI

WIRELESS MICROPHONES

2x Shure Axient Digital AD4Q (8x channels) digital receiver 4x Shure Axient Digital AD2/B58A handheld

4x Shure AD1 bodypack with DPA 4066 headset

Sennheiser MKE 2 & ME104 lapel

All available on request at additional cost.

Please note we are able to supply additional wireless microphones with advance notice.

CABLING

3-pin XLR and power packer provided.

PLAYBACK

Apple Mac Studio with QLab 5 Audio & Video licences.

PROJECTION FACILITIES

A Projection Booth is located at the back of the auditorium, in the Control Room on Level 2 (Dress Circle Level). Projector can also be rigged off any fly batten.

PROJECTOR

Epson EB-PU2220B (available on request at additional cost)
20,000-Lumen Laser Projector

LENS'

Epson Middle Zoom #4 ELPLM11 Throw Ratio: 3.54 - 5.41, f/1.8 - f/2.3
Epson Short Zoom #2 ELPLU04 Throw Ratio: 0.64 - 0.77, f/2.0 - f/2.1

SCREEN

Monoblox 64 Fast Fold Screen
5080mm x 2940mm (16'8" x 9'8") (available on request at additional cost)



LIGHTING FACILITIES

LIGHTING CONTROL CONSOLES

Grand MA XT. includes 15 motorised faders, 60 playbacks, 8,192 control parameters, 6x DMX outputs and 1x DMX input, 3x etherCON connectors, 3x USB 2.0 connectors, 2x USB 3.0

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

LIGHTING DATA NETWORK

8x Pathport C series portable nodes with hanging brackets
sACN network compatible

DIMMERS

Digital Dimmers:

4 x LSC Unity 96 channel Dimmers/distro rack mounted – 2.4kw Dimmers.

32x LSC 12-way 10A TruPower modules

TOTAL AVAILABLE DIMMERS: 384

FRONT OF HOUSE LIGHTING POSITIONS

Bridge No. 1

Number of Patch Points: TBC

Bridge No. 3

Number of Patch Points: TBC

Bridge No. 2

Number of Patch Points: TBC

Bridge No. 4

Number of Patch Points: TBC

STAGE

The venue is equipped with portable internally wired bars (IWBs). These can be shifted between battens.

LUMINAIRE ALLOCATION PROFILES:

5x 14 degree ETC Source four Lustr 3 X8 profiles

9x 19 degree ETC Source four Lustr 3 X8 profiles

7x 26 degree ETC Source four Lustr 3 X8 profiles

6x 36 degree ETC Source four Lustr 3 X8 profiles

FRESNELS:

18x Strand LED Cantata Fresnels

CYCLORAMA:

10x Prolight EclCylorama 100

FOLLOWSPOTS:

2x Robe Robospot

MOVING LIGHTS:

14x Clay Paky Sinfonya Profile 600 (available at an additional cost)

HAZE:

1x MDG Atmosphere with DMX control (available at an additional cost)

LIGHTING CABLING:

A number of 5pin DMX, Cat6 and single mode fibre cables available at various lengths.

DRESSING ROOMS & FACILITIES

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

Dressing rooms will be allocated in consultation with your events account officer.

DRESSING ROOM – NUMBERS AND FACILITIES

ROOM NO.	LEVEL	SIZE	SINKS	TOILET ENSUITE	SHOWERS	MAKE-UP TABLES	CAPACITY
1	G	38m ²	3	0	0	10	25
2	G	38m ²	3	0	0	10	25
3	G	14m ²	1	1	1	3	5
4	G	14m ²	1	1	1	3	6
5	G	14m ²	1	0	0	5	15
6	G	17m ²	1	1	1	5	15
7 (Green Room)	G	8m ²	0	0	0	0	2
8 (quick change)	1	7m ²	0	0	0	0	2
9	1	10m ²	1	1	1	4	4
10	1	19m ²	1	1	1	4	8
11	1	20m ²	1	1	1	4	10
12	1	16m ²	1	1	1	2	6
13	1	14m ²	1	1	1	2	6
14	1	14m ²	1	1	1	2	5
15	2	40m ²	3	1	1	12	25
16	2	37m ²	3	1	1	12	25
17	2	15m ²	1	1	1	4	8
18	2	22m ²	1	1	1	6	15
19	2	22m ²	1	1	1	6	15
20	2	19m ²	1	1	1	2	8
21	2	13m ²	1	1	1	2	6
22	2	13m ²	1	1	1	2	6

GREEN ROOMS – NUMBERS AND FACILITIES

A Green Room will be allocated by the presenter services team.

ROOM NO.	LEVEL	SQ M	KITCHENETTE
Green Room 1	G	90m ²	1
Green Room 2	2	92m ²	1

PRODUCTION OFFICES

Subject to availability

ROOM NO.	LEVEL	SQ M	DESKS
Production Office	B	17m ²	2
Stage Management Office	1	14m ²	2

WARDROBE FACILITIES.

There is a well-equipped Laundry located in the basement with adjoining Drying Room. Attached is our Wardrobe / Costume Workshop, which has additional costume racks available.

Please be aware that irons and steamers cannot be used in dressing rooms, as they will set off the fire alarms. If you require these items, please let us know and we will give you access to our Laundry and Wardrobe facilities.

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	1x Work Benches	
	Portable Wardrobe Racks	

ADDITIONAL EQUIPMENT

Additional Lighting, Audio, Vision and Staging equipment not included in the standard schedule may be available, please contact our production coordinators for further information.

OUTSIDE BROADCAST FACILITIES

Theatre Location: Control Room

Facilities: TBC

External Location: Loading Dock 3

Facilities: Single mode Fibre from Loading Dock 2 to Stage
Cable pass from Loading Dock 2 into scene dock

REHEARSAL ROOMS

The Centre has 4 rehearsal studios available for hire, 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	30
Studio 2	L3 Ryrie Street	138m ²	Multipurpose Studio Space	30
Studio 3	L4 Ryrie Street	117m ²	Multipurpose Studio Space	30
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 is available around Geelong Arts Centre, time limits apply.

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

Paid parking is available 24/7. Height restrictions of 2.1m apply.

CONTACTS

Please refer all queries to production@geelongartscentre.org.au

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