

TECHNICAL SPECIFICATION

geelong
arts
centre

STORY HOUSE

VENUE ADDRESS:
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
Stalls	233
Dress Circle	154
Balcony	163

In the Round (Max Capacity)	547
Stalls	251
Dress Circle	164
Balcony	60

Traverse	475
Stalls	251
Dress Circle	164
Balcony	60

Flat Floor Gig Mode	850
Stalls (Seating and Standing)	491
Dress Circle (Seating and Standing)	186
Balcony	173

Banquet	290
Stalls (tables of 10pax)	290
Dress Circle	0
Balcony	0

Cabaret	477
Stalls (tables of 4pax)	140
Dress Circle	164
Balcony	173

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 five battens (A1 – A5) positioned between the lighting bridges in the centre of the auditorium and the remaining (1 - 21) rigged over the stage house when in end on mode. There are four 500mm box trusses over the stagehouse.

FLY BARS

25 motorised winch bars.

4 x 500mm box truss' rigged from four 250kg motors.

PANORAMA BARS

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

CONTROL SYSTEM

TBC

LIGHTING BARS

The venue is equipped with portable Internally Wired Bar's. These can be shifted between battens.
Portable IWB: 4,000mm in length

ACCESS EQUIPMENT

TBC

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 hard proscenium. 0mm upstage of the downstage edge

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)
A1	2,045mm	0.4m/s FS	500kg	BT		
A2	3,025mm	0.4m/s FS	500kg	BT		
A3	4,470mm	0.4m/s FS	500kg	BT		
A4	8,335mm	0.4m/s FS	500kg	BT		
A5	9,315mm	0.4m/s FS	500kg	BT		
1	330mm	2m/s VS	250kg	ML	House Curtain	
2	530mm	1.2m/s VS	500kg	ML		
3	830mm	1.2m/s VS	500kg	ML	Lighting Bar 1	
4	1,130mm	1.2m/s VS	500kg	ML		
5	1,450mm	1.2m/s VS	500kg	ML		
Truss 1	1,760mm	4m P/M	1000kg	BT	500mm Box Truss	
7	2,537mm	1.2m/s VS	500kg	ML		
8	2,887mm	1.2m/s VS	500kg	ML	Lighting Bar 2	
9	3,220mm	1.2m/s VS	500kg	ML		
10	3,587mm	1.2m/s VS	500kg	ML		
Truss 2	3,755mm	4m P/M	1000kg	BT	500mm Box Truss	
13	4,589mm	1.2m/s VS	500kg	ML		
14	4,939mm	1.2m/s VS	500kg	ML		
15	5,289mm	1.2m/s VS	500kg	ML		
16	5,639mm	1.2m/s VS	500kg	ML	Lighting Bar 3	
17	5,989 mm	1.2m/s VS	500kg	ML		

LINE #	DISTANCE FROM SL	SPEED	W.L.L	TYPE	VENUE ALLOCATION	INTENDED USE (hiring company use)
Truss 3	6,250 mm	4m P/M	1000kg	BT	500mm Box Truss	
21	7,120 mm	1.2m/s VS	500kg	ML		
22	7,470 mm	1.2m/s VS	500kg	ML		
23	7,820 mm	1.2m/s VS	500kg	ML		
24	8,170 mm	1.2m/s VS	500kg	ML		
25	8,520 mm	1.2m/s VS	500kg	ML	Lighting Bar 4	
Truss 4	8,765 mm	4m P/M	1000kg	BT	500mm Box Truss	
29	9,561 mm	0.4m/s FS	500kg	ML	Black Smother	
30	9,761 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

LEGS

TBC

BORDERS

TBC

TABS

TBC

CYCLORAMA

TBC

SCRIMS

Available on request

HOUSE TABS & HOUSE TAB BORDER

TBC

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.

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 Audio CDDB & CDD12 speakers providing front fill and rear delays for under balcony seating positions.

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.

3 x 10-element Martin Audio WPS arrays processed with single box resolution forming each left, centre and right array.

4 x Martin Audio SXCF118 cardioid sub-woofers arranged in pairs either side of the centre channel

4 x Martin Audio SXP218 active dual sub-woofers (Stage Mount - available upon request)

6 x Martin Audio CDD5B stage fill loudspeakers (housed within the forestage lip)

8 x Martin Audio CDD12 loudspeakers for permanent, selectable, balcony fill loudspeakers

4 x Martin Audio CDD12 loudspeakers for permanent, selectable, circle fill loudspeakers,

4 x QSC AD-C6T-LP ceiling loudspeaker providing under balcony fill to the side stalls seating positions

Dedicated Martin Audio iKon amplifiers with beam steering processing for line array and sub-woofer loudspeakers

QSC CX-Q networked amplifiers for all other loudspeakers,

Power Conditioners for each amplifier to protect from problems caused by

AC line voltage irregularities

DRIVE & CONTROL

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

1 x Dante & QLAN certified, managed, Network switch & patch-bay

MIXING CONSOLE

DIGICO SD12T Control Surface

SD-Rack 192khz (OpticalCON) 10RU Frame MixRack

PLAYBACK

MacBook Pro with QLab 4 Audio & Video Licences

MICROPHONES

TBC

CABLING

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

AUDIO POWER

TBC

SPEAKER TRIM HEIGHTS

Bottom of flown speaker arrays to stage floor: TBC

Left, Right and Centre Arrays: 7,850mm nominally

Sub-woofers: 9,625mm nominally

PROJECTION FACILITIES

A Projection Booth is located at the back of the auditorium, in the Control Room on Level 2 (Dress Circle Level)

PROJECTOR

TBC

SCREEN

TBC



LIGHTING FACILITIES

MAIN LIGHTING CONTROL DESK

Grand MA Lite. includes 15 motorised faders, 60 playbacks, 16,384 control parameters, 6x DMX outputs and 1x DMX input, 3x etherCON connectors, 6x USB connectors

2x external touch screens

Keyboard and mouse

DMX RETICULATION

8x Pathport C series portable nodes with hanging brackets

Artnet and 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 WASH 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

On stage there are 4 lighting bars.

Number of Patch Points: TBC

LUMINAIRE ALLOCATION

Profiles:

40x Source four Lustr 3 LED profiles

- 5x 14 degree lens tubes
- 21x 19 degree lens tubes
- 22x 26 degree lens tubes
- 11x 36 degree lens tubes
- 5x 50 degree lens tubes

Fresnels:

45x Stand LED Cantata Fresnels

Followspots:

2x Robert Juliet Oz Follow Spots

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 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.

GREEN ROOMS – NUMBERS AND FACILITIES

ROOM NO.	LEVEL	SQ M	KITCHENETTE
Green Room 1	G	90m ²	1
Green Room 2	2	92.0m ²	1

PRODUCTION OFFICES

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

DRESSING ROOM – NUMBERS AND FACILITIES

ROOM NO.	LEVEL	SQ M	BASINS	TOILET ENSUITE	SHOWERS ENSUITE	MAKE-UP MIRRORS
1	G	38m ²	3	Near By	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

ROOM NO.	LEVEL	Sq M	BASINS	TOILET ENSUITE	SHOWERS ENSUITE	MAKE-UP MIRRORS
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
21	2	13m ²	1	1	1	2

WARDROBE FACILITIES

There is a well-equipped Laundry with 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	
	Portable Wardrobe Racks	

ADDITIONAL EQUIPMENT

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

OUTSIDE BROADCAST FACILITIES

Theatre Location: TBC

Facilities: TBC

External Location: Loading Dock 2 (off Little Malop Street)

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 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

Note: When Studio 4 is used as a Performance space, Studio 3 functions as a Green Room.

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

Technical Operations Manager

P: (03) 5225 1267

M: 0412 296 441

Dean Taylor

Head Technician

P: (03) 5225 1226



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Updated By: Ben Van Dillen, Garry Snowdon