

TECHNICAL SPECIFICATIONS

Marnkutyi Parirna Theatre
(Three Rivers Theatre)
Trinity College

Marnkutyi Parirna Theatre

Cnr Volunteer Drive &
Greenslade Boulevard
Evanston South SA 5116

Trinity College
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Gawler SA 5118

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Venue Information:
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Standard Configurations

THEATRE CONFIGURATION

Thank you for considering the Marnkutyi Parirna Theatre (MPT) for your event. Completed in October 2023, the MPT offers a range of configurations to suit a wide variety of performances.

NB: In all configurations, our standard setting line is measured at the back of the proscenium arch.



In the "Theatre" Configuration, the MPT stage consists of a Proscenium Arch 16m x 7m, with 3x masking legs each side of stage to provide wing space and facilitate entrances. These legs are adjustable to vary the width of the stage from 9.5m to 16m (inside edge of legs). These are spaced at 2600mm, 4500mm &

7000mm from the setting line. The standard width the theatre is set to is 15m (inside edge of legs). Each leg is 3m wide at a height of 8140mm.

This configuration offers either a full white cyclorama at the rear of stage or a black manual operation curtain (at 9400mm or 9200mm from the setting line respectively). A front motorised blue curtain is also available, set 300mm from the setting line.

DIMENSIONS:

Stage: 9500mm – 16000mm wide x 9200mm - 9400mm deep to set line.
Wings: 4200mm wide x 9600mm deep each side

SOUND SHELL CONFIGURATION



In the "Sound Shell" Configuration, the MPT stage is transformed into an acoustically designed sound shell, featuring hardwood walls and flown ceiling. For this configuration, all masking legs are removed and replaced with large hinged walls, featuring 1x double door entrance Downstage and 1x single door

entrance Upstage each side. This creates a fully closed wing space with separate performance space. The Ceiling features a number of LED downlights which can be used as colour wash and/or music reading lights.

NB: Use of the on-stage rigging system and lighting bars 1 – 4 is not possible in this configuration.

DIMENSIONS:

Stage: 16500mm (DS) – 13500mm (US) wide x 9600mm Deep to set line.
Wings: 3900mm (DS) – 4200mm wide (US) x 9600mm each side

The orchestra platform can be configured separately from the stage configuration, offering a choice of an orchestra pit space below auditorium level, an auditorium extension for audience dance floor or cabaret setup, stage extension or 3 rows of additional seating. This platform adds 2900mm to the stage at its deepest point (Centre) creating a total measurement of –4500mm from the setting line.

ORCHESTRA PLATFORM/ APRON CONFIGURATION



STAGE LIGHTING

The Marnkutyi Parirna Theatre offers an array of intelligent lighting systems.

CONTROL

- 1x Chamsys MagicQ MQ70 Lighting Control Console plus external Touchscreen Control Display
- 8x DMX universes over networked sACN nodes configured as standard with universe 7 on all lighting bars and universe 8 for building patch points as spare universes.

PROFILE LUMINAIRES

2x	250W	ShowPro LED EProfile FC RGBAL (14deg)
8x	250W	ShowPro LED EProfile FC RGBAL (19deg)
10x	250W	ShowPro LED EProfile FC RGBAL (26deg)
5x	250W	ShowPro LED EProfile FC RGBAL (15-30deg)
4x	250W	ShowPro LED EProfile FC RGBAL (36deg)

WASH LUMINAIRES

15x	100W	ShowPro LED Fresnel RGBAL (DMX Zoom)
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CYCLORAMA LUMINAIRES

8x	180W	ShowPro LED Cyc2 RGBAL
6x	20x15W	GLP Impression X4 Bar 20 (DMX Tilt & Zoom)

MOVING HEAD LUMINAIRES

8x	350W	ShowPro Pluto 350 Spot (5-35° and CMY)
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FOLLOWSPOTS

2x	300w	Robert Juliet ROXIE2 LED (11-20°, plus iris)
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POWER & DISTRIBUTION

4x	12x 2400W	LSC Gen VI Dimmer/Distros
4x	12x 2400W	LSC APS Distros
216x	2400W	240v Patch Points throughout Theatre
3x	40a 3Phase	1x Sound on OP side, 1x General on OP Side & 1x in catwalk on P side

STANDARD RIG

Cyclorama:	Full LED colour wash using Cyc2 fixtures, with optional bottom quarter fill using Impression X4's
Front of House:	Full LED Apron/DS Wash (7x LED Fresnels) Full LED Mid-stage Wash (8x 26deg Profiles) Full LED Upstage Wash (6x 19deg & 2x14deg Profiles) 3x ShowPro Pluto Moving Head Fixtures
Stage:	Full LED Downstage Wash (4x LED Fresnels) Full LED Mid-Stage Wash (5x LED Fresnels) Full LED Upstage Wash (4x LED Fresnels) 8x LED Profile Downspots (2x LX 1, 3x LX 2, 3x LX 4) 5x ShowPro Pluto Moving Head Fixtures

CABLING & BOOMS

Assorted Lengths of DMX cabling available (up to 5m) with DMX patch points available throughout the theatre.
A total of 6 side booms can be set up upon request

AUDIO SYSTEM

The MPT offers many professional audio facilities, including a full building hearing loop, optional stage audio to the foyer during shows & backstage audio/paging facilities.

CONTROL & PATCHING

1x	Allen&Heath	DLive C3500 Digital Audio Console
1x	Allen&Heath	DM48 Audio Rack (48-in, 24-out)
1x	Allen&Heath	DX168 Audio Rack (16-in, 8-out)
1x	Audinate	Dante card (128-in, 128-out)

POWER & AMPS

3x	D&B Audiotechnik	10D 700W Amplifier
1x	D&B Audiotechnik	30D 1600W Amplifier

Sound Power (Green outlets) located throughout the theatre

FRONT OF HOUSE SPEAKERS

2x	D&B Audiotechnik	T-Series Line Array
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Each array comprises 6x Ti10L 2-way Line array loudspeaker
2x Ti-Sub Subwoofer

6x	D&B Audiotechnik	4s Front Fill Speakers
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FOLDBACK SPEAKERS

6x	QSC	K10.2 Active Loudspeaker
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NB: 2x speakers are permanently flown as stage foldback

WIRELESS MICROPHONES

15x	Sennheiser	EW-DX EM 2 Wireless Receivers
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This system facilitates a maximum of 30 wireless channels, with 8x Handhelds (EW-DX SKM-S) & 30x belt packs (EW-DX SK) available

DYNAMIC MICROPHONES

8x	Shure	SM58 Corded Vocal Mics
8x	Shure	SM57 Corded Instrument Mics

CONDENSER MICROPHONES

8x	Rode	M5 Pencil Condenser Mics
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6x	K&M	Round Base Mic Stands
12x	K&M	Tall Boom Stands
4x	K&M	Short Telescopic Mic Stands

DIRECT INPUT BOXES

8x	Radial	J48 Active Direct Box
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NB: Guitar/instrument patch cables must be supplied by the hirer.

CABLING

2x	Cordial	8-in, 4-out, 15 metre Stage Box
3x	Neutrik	3.5mm to 6.5mm TRS Leads
3x	Neutrik	3.5mm to XLR Leads

Assorted 3-pin XLR Cables

NB: Lightning/Special audio adapters must be supplied by the hirer.

VIDEO SYSTEM

The MPT offers an array of video facilities, including a “back of house” stage feed to all backstage areas & MD Camera System if requested.

CONTROL

1x Blackmagic Studio 4k Vision Switcher
1x Canon IP100 PTZ Controller
1x Blackmagic 12x12 Smart VideoHub (BOH/PATCH Matrix)
1x Apple Mac Mini for Qlab (Audio & Video Licensed)
1x Visionary Solutions AV System

NB: This system is made up of 6x HDMI inputs throughout the theatre, running back to a singular receiver above the projector, controlled via touchpanels.

OUTPUT

1x Epson EB-L1505UHNL Laser Projector (front projection available only)

NB: This unit can project onto a dropped projection screen, cyclorama or rear “sound shell” wall.

2x TVLOGIC LUM-430M2 Displays (P/OP DS Wall) for BOH vision

1x Samsung QB50R Display in each change-room for BOH Vision

1x Samsung QB50R Display in Green Room for BOH Vision

NB: BOH Vision can be run to the Rehearsal Studio and Studio 1 upon request

2x Lilliput PVM220s 21.5” Low Latency Screen for MD Camera

INPUT

6x Visionary Solutions Duete-WP Encoders for HDMI into vision system

These units are located: 1x on PS Wall near SM desk, 1x in PS DS Floor Trap, near lectern position, 1x in OP DS Floor Trap, 1x in Center of Auditorium Seating Area, 2x in Control Booth – 1x each side of bench

SDI Direct in patch points – ability to route to projector, BOH & switcher

CAMERAS

2x Canon N500 4k PTZ Camera (1x rear auditorium & 1x P side Perch)

1x IO Industries 2KSDI Fixed Camera (rear of auditorium for BOH feed)

CABLING & CONVERTERS

Various HDMI & SDI Cabling is available upon request.

Various Video converters in both Blackmagic & Decimator brands are available upon request.

RIGGING SYSTEM

CATEGORISATION & MAXIMUM WEIGHTS

The MPT utilizes a combination of fully electric hoists and dead hung curtain tracks for the stage rigging.

The electric hoists are a pendant driven fly system on stage, using TQ2, TQ3 & Long Drift Drum Hoists, as well as 4x Pile Winding Hoists.

The theatre has a 7000mm high Proscenium Arch, with a hoist upper dead of 12700mm and low dead of 700mm above the stage floor (12000mm drift). Using the teaser, the proscenium can be lowered to 6000mm to assist in flown element concealment.

The Electric Hoist system has 3 categorisations of bar:
General Purpose, Lighting & House.

The General Purpose (GP) Bars have a maximum lift rating of 350kg and are a square style bar.

The Lighting Bars have a maximum lift rating of 500kg and are a ladder truss style bar with 50mm round bottom chord.

The House Bars are used exclusively for in-house flown elements, such as the ceiling reflectors, projection screen, borders & legs.

FLY SYSTEM OUTLINE

In total, the stage houses 24 lines, with 13 available for use which are outlined below:

Line No.	Distance From Setting Line (mm)	Name/Use	Category	WLL (KG)	Length (m)
1	100	Teaser	House	350	16.45
2	300	Main Curtain	House	500	11.0 / Side
3	1000	LX Bar 1	Lighting	500	18.4
4	1400	GP Bar 1	General	350	18.4
5	1800	Reflector 1	House	1500	15.0
6	2400	Border 1	House/General	350	18.4
7	2600	Leg 1	House	150	3 / Side
8	2900	Proj. Screen	House	350	18.4
9	3400	LX Bar 2	Lighting	500	18.4
10	3700	GP Bar 2	General	350	18.4
11	4000	GP Bar 3	General	350	18.4
12	4300	Border 2	House/General	350	18.4
13	4500	Leg 2	House	150	3 / Side
14	4800	Reflector 2	House	1500	14.0
15	5400	LX Bar 3	Lighting	500	18.4
16	6200	GP Bar 4	General	350	18.4
17	6500	GP Bar 5	General	350	18.4
18	6800	Border 3	House/General	350	18.4
19	7000	Leg 3	House	150	3 / Side
20	7400	LX Bar 4	Lighting	500	18.4
21	7800	Reflector 3	House	1500	13.0
22	8800	GP Bar 6	General	350	18.4
23	9200	Rear Curtain	House	500	10.2 / Side
24	9400	Cyclorama	House	350	19.4

LOADING DOCK

The MPT has a dedicated loading dock, located off the roundabout on the corner of Volunteer Drive and Greenslade Boulevard. There is roller door access straight onto stage or into the rehearsal space, with both spaces offering an opening of minimum 2900mm wide x 3800mm high.