

St Stephens School Theatre

Technical Specifications

05/03/25

Technical Manager:

Phone number: 08 9243 2114
Mobile Number:
Fax number:
Email address: theatre@ststephens.wa.edu.au

Venue:

Phone number: 08 9243 2100
Fax number:
Website: <https://www.ststephens.wa.edu.au>

STAGE

Brief Stage Description:

An unraked proscenium stage with forestage apron. In front of the Proscenium stage is a five-sided thrust at -475mm below stage height. Both stage areas have painted weathertext surfaces.

Stage distributed load limit **Not Determined**

Stage point load limit **Not Determined**

Stage rake **No**

Stage Dimensions:

Proscenium

Width **8300**

Height

Stage

Width **8300 usable performance area leg > leg.**

Depth **5192 from apron edge to US Tabs – Rear Crossover behind Tabs.**

Thrust

Width **7683 at US edge**

3018 at DS edge

Depth **8319**

Setting Line

Setting line is determined by stage elements & sight lines.
It is more appropriate to take measurements from Proscenium Line

Distance From (*PL = Proscenium Line, CL = Centre Line*)

PL to DS edge of apron **1100mm**

PL to first fly line **No Flys**

PL to last upstage fly line **No Flys**

PL to rear wall **5896mm**

CL to OP wall (or obstruction) **6663mm**

CL to PS wall (or obstruction) **6663mm**

Stage to underside of grid **No Grid**

Overhead obstructions

Catwalks over Thrust stage.

Auditorium:

Raked seating. Plan available on request.

Seating capacity **252**

Accessible Seating **2 plus companion seats**

Additional Seating **50 Chairs on Thrust if not used as performance area.**

Flying Facilities:

Fly System None

Drapery:

*Type	Material	Colour	Width	Height	Quantity
Cyclorama	Filled Cloth	White	12000mm	4800mm	1
Borders	Wool 50% gathered	Black	12000mm	1200mm	3
Legs/Book Flats	Wool 50% gathered	Black	3000mm	4800mm	6
Tabs / Traveller	Wool 50% gathered	Black	6000mm	4800mm	1 pair
House Curtain (scissor action)	IFR Velvet	Red	6000mm	4800mm	1 pair

Access Equipment:

Elevated Work Platform – shared Cross campus – may not be available.

Haulotte Optimum 8

Maximum reach is **8m**

EWP Restrictions

EWP endorsed HRWL required to operate the school's EWP.

Ladders

1.5m 3 step platform ladder

World's weirdest 3m Platform Ladder

4m Platform Ladder

Staging Units: Units are Nivtec copies – these need to be booked well in advance as they are very heavy and not settable by one person.

16 off 1220mm x 2440mm decks with height adjustable legs.

Stage Cover: Weathertex

Stage Traps: None

Safety Curtain:

Safety Curtain installed **NO**

Control:

Lighting desk **Grand MA 3 on PC Command Wing XT (2 x 24" Touchscreen Monitors)**

Control channels **1024**

Signal output **DMX 512**

Signal distribution DMX 1 to splitter in Loading dock. DMX 2 to catwalks

Remote riggers available onstage **NO**

Dimmer Racks:

Total dimmers @ 2.4kw per dimmer 24

Dimmer Locations Dimmers Located in Loading Dock

Dimmer Racks **2 – Jands FPX 12 x 2.4kW**

2 – LSC APW 12 x 10A Distro

House Lights:

Independent control **YES (C-Bus panel)**

Control positions **Control room, PS Corner**

Fade time adjustable **NO**

DMX Control: **NO**

Stage Luminare:

Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
ETC	Source 4 JNR	25 – 50	Gel Frame	575	4
Selecon	Pacific	45 – 75	Gel Frame	1200	6
Selecon	Acclaim Axial	15 -30	Gel Frame	600	6

Fresnels

Make	Model	Detail / Accessories	Watt	Total
Selecon	Rama	Barndoors	1000	6
Selecon	Compact	Barndoors	1000	5

Pars

Make	Model	Angle	Detail / Accessories	Watt	Total
XMLite	LP310		27 x 10W RGBW LED	310	12

Floods

Make	Model	Detail / Accessories	Watt	Total
Selecon	Lui	Gel Frame	1000	4

Moving Lights:

Make	Model	Angle	Detail / Accessories	Watt	Total
XMLite	EXP 370 Zoom Profile		350W LED		8
XMLite	HotBeam 350				4
XMLite	LM 560C Wash		37x15W RGBW LED Zoom Wash		6
XMLite	LM 285 Wash		19x15W RGBW LED Zoom Wash		2
Event Lighting	Havoc H600F		680W LED Framing Spot		8

Other:

Make / Model			Total
LED UV Bar			8
Nitec LiteBar H9 RGBWA-UV LED	Permanently rigged as top Cyc wash		8
IC Color LED RGBW Matrix Strip			4
Generic RGBW Colurstrip			2

Power:

3 Phase Outlets

(4) in Loading Dock

Cabling:

240v Extension Cable

The theatre has a good stock of extension leads to accommodate the venue's standard lighting rig.

Looms

3 phase Extensions

- 1 x 20m 32 Amp Wilco
- 1 x 2m tail on portable 6 circuit distro.

Lighting Notes:

Accommodation of any non-standard lighting design may be possible if the Theatre's schedule permits. This will be charged on an hourly labour rate, please discuss this

with the Theatre Manager at the time of booking as it will not be accommodated if requested on the day of your event.

AUDIO

Control Positions:

Bio Box	YES.
Auditorium	NO
Other	NO

Control & Amplification:

Primary Mixer

Allen & Heath SQ-5 Digital Console in Bio Box – all EQ and effects on board.

Amplifiers

Crown XTi-4000 (main x 2)

Crown XTi-4000 (main x 1, subs)

Speakers:

FOH Speakers

(3) KV2 ESD 12 12" + horn (mono cluster – 1 per seating area)

Foldback

(3) Mackie SRM 450 1000W Powered 12" + horn

Subs

(2) NeoLogic TD-425 Dual 15" Sub

Playback:

Item	Make	Model	Detail	Total
CD Player	American Audio		Dual CD Player	1
CD Player	Denon		Dual CD Player	1

Microphones and DI's:

Make	Model	Detail / Accessories	Use	Total
Shure	SM58	microphone clips	Vocal	1
Sennheiser	SKM100AS	RF mic E835 capsule and clip	Vocal	8
Sennheiser	SKM100B	RF mic E835 capsule and clip	Vocal	4
Sennheiser	E835	clips	Vocal	4
Sennheiser	E608	clips	Instrument	5

Sennheiser	E902	clips	Kick Drum	1
Rode	NT5	Clips and windsocks	Instrument	2
EV	ND468		Instrument	2
Audio Technica	AT8531C	Power packs, dropper cables	Choir Mics	2
Behringer	C2	Clips and windsocks	Instrument	5
Behringer	DI100	Active Mono DI		3
Behringer	DI 20	Active Stereo DI		4

Stands:

Item	Model	Detail / Accessories	Total
Tall Boom Stand	K&M	Single Section Boom Arm	8
Tall Boom Stand	K&M	Dual Section Boom Arm	6
Short Boom Stand	K&M		4
Straight Stand	K&M		6

Line Patching:

Location	Quantity	Numbering	Detail
Pros Prompt	1	1 - 16	Yamaha TIO 1604 Digital Stage Box
Pros OP	1	17 – 32	Yamaha TIO 1604 Digital Stage Box Used for RF Mic Receivers
PS Wall	1	1 – 14	Analogue Multicore to Bio Box
DSC Trap	8		1 send to analogue core box PS

Cabling:

Audio Cable

The theatre has a good stock of cable to accommodate the venue's equipment

Multicore: There is a Yamaha TIO1608 digital stage box behind the PS proscenium wall and a 14-channel analogue multicore from the bio box to the PS wall. A second Yamaha TIO1608 digital stage box is located in the RF Mic rack in the OP wing.

AUDIO VISUAL

Projectors:

Type	Model	Detail / Accessories	Total
Panasonic	MZ10k	10000 ANSI Lumen Laser	1

Screens:

Projection Screen

200” motorised front projection screen on US side of Proscenium or projection onto CYC.

Additional Screens

NO

AV Playback Equipment:

Item	Model	Detail / Accessories	Total
MacBook Pro	2024 M3	Located in Bio Box – Qlab 5 installed	1
Stereo DI		Located in PS Wing for playback	1

Projector Rigging Points:

Permanently rigged on LX Bridge 1

Cabling:

HDMI connection to projector available in bio box.

Audio Visual Notes:

Lack of depth on the proscenium stage area restricts rear projection options

BACKSTAGE

Communications:

Stage Managers Desk NO

Talkback:

Wireless:

EarTech wireless headset system – 5 Headsets and interface with Wired system interface

Paging / Show relay

No paging. Video and audio Show relay available to TH1 and Greenroom spaces.

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
TH 1 (Dance)	50	Y	Y	Access to the only substage toilets

Studio)				and showers is through here
TH 2 (Green Room)	50	N	N	

Laundry / Wardrobe:

Washing Machine	Yes
Dryer	Yes
Drying rooms	NO
Iron / ironing board	NO
Clothes racks	4

Production Facilities:

Production Desk

Production Office

Star Suite (2-person greenroom) may be used as Production Office. This is normally used as the mic room if headset mics are being used.

Phone

Access to phone in Communications Office by request.

Fax

Access to phone for internet access

Small Greenroom:

Tea / Coffee facilities	Yes
Fridge / freezer	Fridge
Microwave	No
Running water	No

Stage Door:

Substage access from external doors is ONLY possible with a permanently stationed Stage Door Keeper. Please discuss at the time of booking with Theatre Manager if this access is required. Otherwise, access is via Auditorium main doors only.

ADDITIONAL FACILITIES & INFORMATION

Orchestral:

- (1) Yamaha C3 Grand Piano (BLACK) – additional hire and tuning costs, not included in standard hire equipment.

Rehearsal Space:

Adjacent to the Theatre- TH1 Dance Studio is available as a warmup and rehearsal space for hirers. Please request this space in your initial booking form if required.

TH1 has a Tarkett floor ballet barres and mirror. It is approximately 6 x 13m.

VENUE:

Venue Contacts: Theatre and Technical Manager - Graham Piper 08 9243 2114
(8am – 4pm WST weekdays only)

Venue Bookings: Via Webform at <https://www.ststephens.wa.edu.au/our-community/community-connections/duncraig-theatre/>

Venue Address 100 Doveridge Dve. Duncraig WA 6023

Venue Postal Address **100 Doveridge Dve Duncraig WA 6023**

Box Office – No Box Office Facility.

Venue Plans:

Venue Plan and standard Lighting plan available for download on Theatre web page.

Venue Section Available

NO

Venue Information:

St Stephen's School Theatre is located on our Duncraig Campus at 100 Doveridge Dve Duncraig WA.

The Theatre is available for external hire outside of school hours (8am – 3:20pm weekdays), on weekends and during school holiday periods.

School events have priority over any external bookings.