

THE EMPIRE

EMPIRE STUDIO

Toowoomba

TECHNICAL SPECIFICATIONS

Updated
May 2023

VENUE

Box Office: 1300 655 299
Phone: 07 4698 9900
Website: www.empiretheatre.com.au

OPERATIONS & TECHNICAL SERVICES MANAGER

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PRODUCTION SUPPORT OFFICER

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*Additional contacts on page 9



Empire Theatres Pty Ltd (ABN 83 086 482 288)
54 – 56 Neil Street, Toowoomba Qld 4350
Ph: 07 4698 9900 • empiretheatre.com.au

STAGING

ROOM DESCRIPTION

12.5m x 15m Sprung floor used as a rehearsal and function room and as an intimate performance space with a tiered seating system with a nominal seating capacity of 130. Along the Eastern wall behind TAB tracks are full-length rehearsal mirrors mounted to wall. There is also a fully operable wall on the Western Side that opens to the Main Auditorium stage.

Stage distributed load limit	500kg.m² (5.0 kPa)
Stage point load limit	450kg (4.5 kN)

DRAPERY

Velour Drapery (Blue) on TAB track around the perimeter of the room with static hung drapery as required for performance purposes.

ACCESS EQUIPMENT

OVERHEAD CATWALK

There is a perimeter catwalk around the Studio space that provides direct access to most of the house lighting rig. Access is via a fixed ladder on the South Western Wall.

ELEVATED WORK PLATFORM

Dingli MVP100E vertical lift push around - Maximum reach is **10mtr**

LADDERS

- 1 bailey A frame 1.8mtr (fibreglass)
- 1 bailey A frame 2.4mtr (fibreglass)
- 2 baileys A frame 3.6mtr (fibreglass)
- 1 bailey extension ladder 2.3-3.6mtr (fibreglass)
- 1 bailey extension ladder 5.1-9.1mtr

STAGING UNITS:

44 units pro stage (2000*1000mm)
Various leg lengths 200mm-1200mm

Note: To install the seating system some of these units are in use to create the tiered structure.

LOADING DOCK:

Access

- Truck access via the rear car park of Julia Street
- Truck able to back up to loading dock doors
- Truck Wheels at stage level
- Loading dock has a goods lift
- Access into the Studio via stage/studio door or Back of House corridors

Door Dimensions **4.4m High 2.7m Wide**



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LIGHTING

POSITIONS:

LX Catwalk

48mm OD pipe rigged around perimeter of Studio space and suspended grid over floor space provide rigging for theatrical lighting.

See LX Plan for locations

CONTROL:

Lighting desk

GrandMA 2 OnPC/LSC Mantra

Control parameters

1024 (GrandMA 2 OnPC)/512 (Mantra)

Signal output

DMX

Signal distribution

Control position to grid data splitter.

Please contact the Head of Lighting to check current software versions.

DIMMER RACKS:

Total Dimmers

48 dimmer channels standard rig

Dimmer Locations (Distributed Dimming) **NW, NE, SW, SE Grid Level**

2.4Kw Dimmer Racks

4 x Strand 1210W

Total dimmers @ 2.4kw per dimmer

48

HOUSE LIGHTS:

DMX control

Yes

Control position

Control position via lighting console.

STAGE LUMINARES FOR STUDIO:

PROFILE

Make	Model	Angle	Detail / Accessories	Watt	Total
ETC	Source 4	26°		750	5
Selecon	Zoomspot 1200	24°-40°		1200	24
Selecon	Zoomspot 1200	18°-34°		1200	As req.

FRESNEL

Make	Model	Detail / Accessories	Watt	Total
Selecon	80V Rama Fresnel	Barndoors to suit	1200	18



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PATCHING:

Distributed dimming system. Patch is local to each area of the rig with looms to each fixture.

POWER:

40A 3 Phase Outlets

Grid	4
Ground	2

CABLING:

240v Extension Cable

The theatre has a good stock of 240v leads & power boards of various lengths.

Power Multicore

15 x 4 way Wielands - various lengths

3 phase Extensions

Limited 3 Phase Extensions various lengths, (40 amp)

LIGHTING NOTES

Additional equipment may be available, refer to Technical Manager.



AUDIO

CONTROL POSITIONS:

Rear OP of Seating Bank

CONTROL:

Primary Mixer **1 x Midas M32C with DL16 IO. iPad remote for control.**
Additional IO: **For additional IO contact Technical Department.**

PLAYBACK:

3.5mm jack and Bluetooth Link for personal devices. *For other playback equipment contact Technical Department.*

SPEAKERS:

FOH Speakers

2 x QSC K10 Powered 10" and horn with Centre K-Sub

Foldback

Foldback is available upon request. *Please contact the Technical Manager for more information.*

RADIO MICROPHONE:

2 x Shure radio microphones as Handheld or Lapel. Additional radio microphones available on request. Radio microphones at additional cost per channel.

MICROPHONE:

The Theatre has a large selection of microphones and DI's available, from brands such as Shure, Sennheiser, AKG, Rode, Beyer and Klark Teknik.

Please refer Main Auditorium specifications for a full list of audio equipment. Microphones subject to availability and Radio Microphones incur additional charges per channel.

ACCESSORIES:

Selection of K&M microphone stands, Tall Boom, Short Boom and Round Base stands are available.

CABLING:

Audio Cable

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

POWER:

Power System

Common power provided to the system.

AUDIO NOTES:

As we have multiple venues additional equipment may be available from our onsite stock, refer to the Technical Manager.



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AUDIO VISUAL

PROJECTORS

1 x Epson EB-1945W 4200 ANSI 16:10 (rigged from the grid) inputs adjacent to southern doorway (Upstage Opposite Prompt side in performance mode).

NOTE: If another projection solution is required this can be discussed with the Technical Manager and equipment sourced from our range of projectors and screens, pending availability.

SCREENS

Permanently rigged drop down screen on the Western wall 16:9 ratio 4300mm W x 2400mm H. Additional fixed surfaces available as below.

Sizes **16` x 12` / 12` x 9` / 8` x 6`** Front & Rear projection surfaces available
23` x 13` & 26` x 14` Front projection surface only

CABLING:

The theatre has a good stock of SDI coaxial and HDMI cable to accommodate the venue's equipment.

STREAMING SERVICES:

The theatre has the infrastructure to provide live streaming services of varying levels of delivery. As this is a quickly evolving service it is best to discuss your streaming requirements directly with the technical department.



BACKSTAGE

COMMUNICATIONS:

Talkback

There is a Riedel Bolero wireless comms system in use exclusively across the Empire Theatres precinct. *If comms are required, please discuss with the Technical Department.*

DRESSING ROOMS:

Dressing Room	Capacity	Toilets	Shower	Details
1	5	2	2	
2	6	2	2	
3	2	1	1	
4	2	1	1	
5	5	1	1	
6	20	2 + urinals	4	Male chorus
7	20	3	4	Female chorus

***Dressing Room 7 is the closest to the stage access for the Studio. Dressing Rooms 1-5 are in the audience access route to the Studio.**

LAUNDRY / WARDROBE (shared with all venues on-site):

Washing Machines	2
Dryers	2
Drying Cupboard	1
Iron / ironing board	2
Clothes racks	6
Steamer	1

PRODUCTION FACILITIES:

Phone	Yes, advise Tech Manager if required.
Internet access	Yes, advise Tech Manager if required.

GREENROOM: (shared with all venues on-site)

Tea / Coffee facilities	yes
Fridge / Freezer	yes
Microwave	yes
Running water	yes

STAGE DOOR:

Stage Door is located at the side of the building. Access via Julia Street.
Access during the day will be controlled by the Venue Supervisor.



ADDITIONAL FACILITIES & INFORMATION

ORCHESTRAL:

Yamaha C7 concert grand piano (tuning by prior arrangement)
Yamaha CF III concert grand piano (tuning by prior arrangement)
Yamaha upright piano (tuning by prior arrangement)
Roland RD-700 electric piano
Roland RD-88 electric piano
Kurzweil PC3A8 electric keyboard
PDP EX series 5 piece drum kit
40 music stands & scone lights
40 orchestral chairs



SENIOR STAFF CONTACTS

Operations & Technical

Services Manager

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VENUE PLANS:

Venue Plans available online [here](#)

Precinct Virtual Tour [here](#)

Venue 3D Scan [here](#)

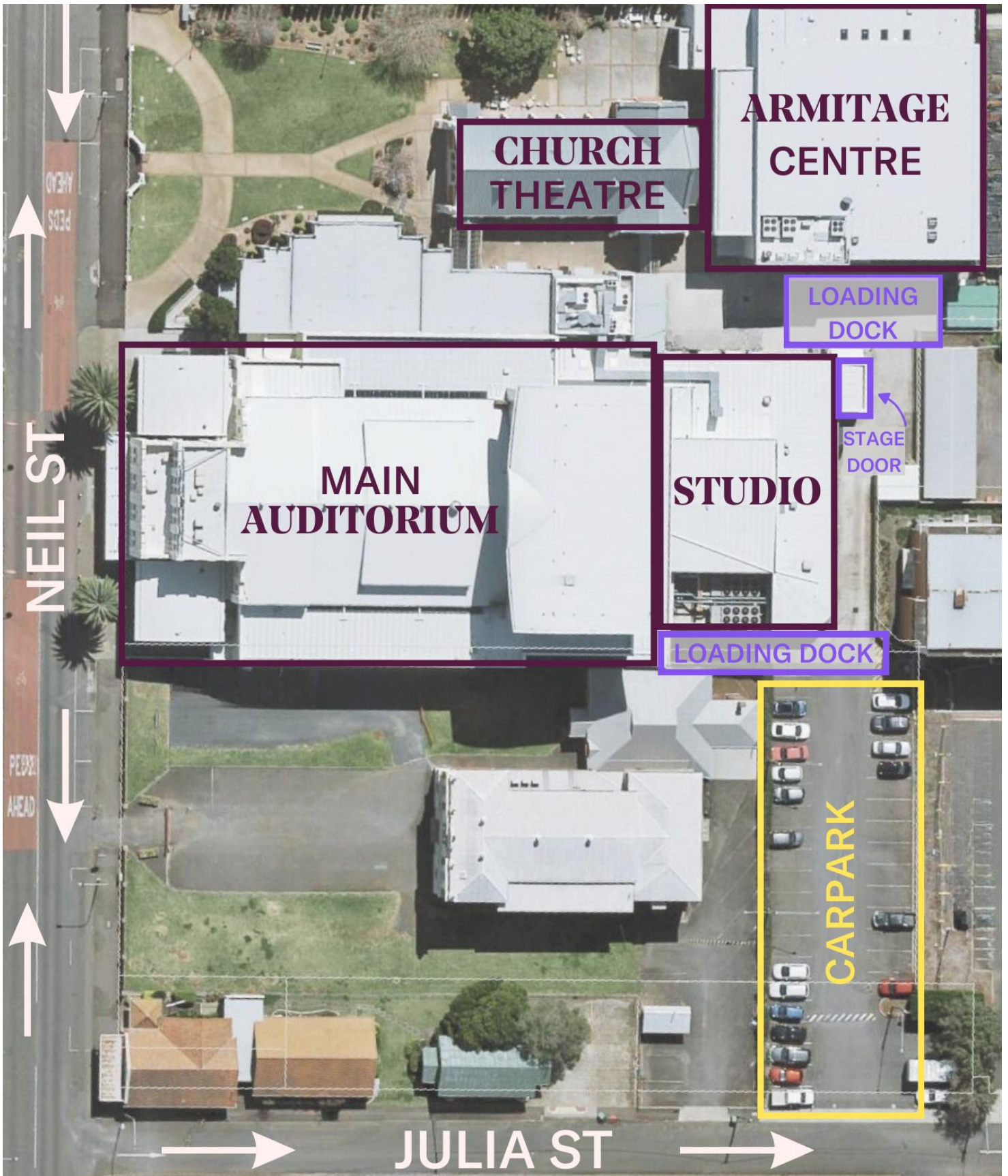
Site view on the next page.



VENUE:

Venue Address 54 Neil Street Toowoomba Qld 4350

Venue Postal Address PO Box 1227 Toowoomba Qld 4350



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