

TECHNICAL SPECIFICATIONS

Brenton Langbein Theatre

Stage Dimensions

Proscenium Height: 5.3 meters
Grid: 11.7 meters
Stage Width: 14 metres at Proscenium
Stage Depth:
House Curtain to cyclorama – 7 meters
House Curtain to rear wall – 11 meters
Timber stage to rear wall – 13 meters
Apron lift stage to rear wall – 16 meters

Stage Wing Dimensions

Prompt side: 6 meters x 8 meters
Off prompt side: 7 meters x 8 meters

Fire Safety

The theatre has a safety curtain with drencher system located at the rear of the proscenium arch. The system is operated from both prompt and off-prompt side and is achieved through manual operation. There is an automatic release mechanism provided by means of a 68c heat activated device.

House Curtain

The House curtain is a two-pieced burgundy velour curtain with 100% fullness. The curtain is flown on a dedicated C/W set and may be used as a manual activated drop or be traversed electrically.

Stage Drapes

4 pairs Black Legs, Velour 6200mm x 3500mm wide with fullness
5 Black Borders, Velour 3000mm x 17600mm wide
2 sets Black Traveller Tabs, Velour 6200mm x 17600mm wide

1 cyclorama cloth, seamless cotton, off white
6200mm x 17600mm wide

Lift Stage

The stage features a mechanical lift stage in front of the proscenium that can be set at any height selected. Pre-set levels include stage level, assembly level (one step down), auditorium level, and orchestra pit level. The lift-stage surface consists of a polished wood floor.

House Wings

The stage features two side wings situated in front of the proscenium arch. The surface consists of a polished wood floor.

Access to Stage from Auditorium

Portable steps are placed at the centre of the lift stage for access from the centre auditorium aisle onto stage. Both side stage wings have in-built steps from the auditorium side aisles onto stage.

Orchestra Pit

When the lift stage is set at orchestra pit level the total dimensions of the pit are:

Width measured along the rear wall of the pit: 14 meters

Depth measured from the Centre point of the Thrust stage to the Centre point of the pit rear wall: 5.5 meters

Recommended maximum capacity: 60 musicians

Fly Tower – Stage Counterweight System

The steel wall frame accommodates 35 counterweight sets on 200mm centres, lines not available are 9, 14, 16, 24, 26, 31, 32, 6 pickups per batten, 6mm galvanized steel cable. Pipe battens are 48.3mm OD galvanized steel, 17.6m long. Batten travel is 11.5m. Load per batten is 350kg maximum

In-house Video

The control rack includes the main patching console for a 38 point video system linking all sections of the Centre, together with links to associated buildings on site.

- Balcony program relay camera
- PS & OP monitors
- Green room monitors

Audio

Mixer

1 x Sound Craft si-1

Amplifiers FOH

2 Crest VS900 (2 SUBS)
1 QSC Mx2000a (2 SUBS)

Speakers FOH

(FOH) 4 x Turbo Sound NUQ 12p
(FOH) 4 x Tannoy subs Vs15HL

Fold back

4 x Quest QSA300

Control Equipment

DBX processor Tops FOH
RANE processor Subs FOH

Direct inputs

3 x ARX DI
1 x Tapco DI
3 x Phonic Active DI
2 x DBX12 DI

Microphones

10 x Shure SM58 (vocal)
4 x Shure SM57 (instrument)
2 x AKG TPS D 3700 (vocal)
2 x AKG D112 dynamic mics (bass)
2 x AKG C1000s (choir)
2 x Shure SLX4 SM58 radio (hand held)
2 x Audio Technica AT4050/CM5 (Condenser)
12 x Mic stands

Players

1 x Australian monitor 2 Disc CD/UBS player
2 x Laptops

Field wiring

16 in 4 out direct from OP to ops.

There are 93 mic points located around the venue and terminating in Equipment Rack in Control room. There are 16 mic lines and 4 sends from (2m wide 1m high) (located in Ekerman theatre)

Equipment Rack in Control Room to mixer position. There are 16 mic lines and 4 sends from mixer position to o/p side of stage. All audio power field wiring is in "star configuration". *mixing position is located at the rear of stalls.

Foyer Paging System

Lighting

Control Desk

1 x PRG V276

Dimmer Racks

48 Dimmers (Front of House)
120 Dimmers (Back Stage)
3 x DMX Loops

Luminaires

6 x Four color1000W Cyclorama floods
12 x 15-28 deg Pacific 1kw profiles (bridge 2)
12 x 2kw 19 – 32 deg Cadenza profiles (bridge 2)
12 strand T64 – 20 deg profiles (bridge 1)
4 x Leko 19 deg
12 x Leko 26 deg profiles
12 x Leko 37 deg profiles
18 x 1200W PC (2 color wash above stage)
48 x par 64 cans (MFL) on bars
16 x 1kw Harmony Fresnel's
12 x MAC 700 Wash (color wash above stage)
8 x MAC 250 Profile (specials above stage)
2 x MAC 1200 Profile (Bridge 2)
16 x HPE mini scans (effects above stage)
2 x 1200w Pani Follow Spots
2 x 1k balcony side follow spots

Audio - Visual

Projection Facilities

1 x Sony fx51 5600 lumens projector and a rear projection screen
(4m wide x 3m high) (located middle of stage)
2 x Epson EB-G6350NL 7000 lumens projector with 2 x (2.4m wide x 3.2m high) (located at rear of stage)

1 x Hitachi 8000 lumens projector with 9m wide by 4.8m high rear projection screen (located at front of stage)

1 x Promethean touch screen panel