



Technical Information & General Specifications 2024

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Stage & Dimensions

Brief Stage Description

The PAC has an unraked stage with a proscenium arch, an apron, stage wings and a stage crossover corridor. The apron has a curvature of 0.56m from the sides to DS centre.

Suspended Stage Floor

Top Layer: 9mm Weathertex Masonite screwed through surface
Layer 2: 12mm CD grade structural plywood
Layer 3: 30mm Show Works Sprung Floor comprised 18mm thick panel on 100mm x 100mm 12mm pads

No flown scenery capabilities

There is to be no nailing or screwing into the floor surface unless authorised by the Theatre Manager

Stage distributed load limit = 750kg/m² (7.5Kpa)
Stage point load limit = 500kg on a 200mm x 200mm square
Stage rake = NO

Stage Dimension

Proscenium

Width: 14.92m
Height 8.1m

Setting Line

NA

Stage Depth

From DS C Apron to Cyc curtain: 11m
From DS P apron to Cyc curtain: 10.44m

Distance from:

(SL = Setting Line, CL = Centre Line)

SL to DS edge of apron: 2.9m
SL to rear wall: 9.93m
SL to Cyc curtain: 8.1m
SL to US tab track traveller curtain: 7.6m
SL to CS tab track traveller curtain: 4.6m
CL to OP wall (or obstruction): 6.95m
CL to PS wall (or obstruction): 7.11m
Stage floor to underside of grid: 10.65m



Auditorium

2 levels

Seating capacity:	752
Stall:	490 (4 spaces for persons in wheelchairs)
Balcony:	252

Wheelchair allocated seating is on the ground level in Row E. More seats can be removed in advance to accommodate wheelchairs.

There is one entrance to the stalls on ground level and one halfway up the curved stairs heading towards the balcony. Balcony seating entrance is via this same staircase.

Disabled Access

Slight downhill sloping surface from the disabled parking spots to foyer. Level surface from foyer into accommodated seating in auditorium.

Front of House

- Ticketing counter/cloak room
- Running water (hot/cold), sink
- 20amp power outlet for coffee machine
- Public amenities on foyer and lower levels

Loading Dock

Access

Truck and vehicle access to the loading dock is via a laneway directly off the main driveway entrance of the school.

Loading dock height from ground level:	Max. 600mm
Loading dock width:	2.87m
Loading dock height:	3.0m
Ground level to awning:	3.7m

Huntingtower does not have a tailgate to level onto trucks, vans or utes. A ramp must be supplied to get road cases from ground level up to the loading dock.

This loading dock is strictly for loading. No cars, trucks, vans or utes can be left in this area unattended as it is an emergency exit point.



Access Equipment

Elevated Work Platform

Not on site. Can be arranged by venue at extra charge. Maximum working platform height is 8.15m Maximum EWP weight is 2.5 tonne. Recommended model for size and weight: **Genie 2632**

EWP restrictions: Operators must be licensed or deemed competent by the Tech on Duty.
A spotter must be present whilst using the EWP.

Ladders

1 x 1.8m Aluminium double sided A-frame ladder
1 x 1m Aluminium single sided step ladder

Drapery

House Curtain: Red Velvet 2 x 9.5m x 9m

Please note, the house curtain is actioned via a pulley system on prompt side of stage. It is not motorised.

Borders: x 5 Black wool
Legs: x 8 (5 pairs) Black wool (3m x 9m)
Tabs: x 4 (2 pairs) Black wool (9.5m x 9m)
Cyclorama: White Sharkstooth Scrim (pleated)

All stage drapes and curtains are manufactured to Australian Standards 1530 parts 2 & 3

Staging Units

2 x Grey Lectern
140 x Presentation Chairs
60 x Music Stands
5X stage risers (1.2 x 2.4)
Drum riser (2.4 x 2.4)

Choir Risers

8 x 4-tier SICO Harmony Choral Risers
1.98mW x 1.84mD x 0.83mH (top tier)



Approximately 16 students per section standing shoulder to shoulder
Approximately 20 students per section standing with shoulders turned in

18 x timber risers (8 with hand rails)

1.2mW x 0.6mD x 0.2mH

Lighting

A network of 260 x 10amp 230v patch points distributed to various lighting bars, catwalks and wall mounted outlets at ground level, terminating in the patch bay, which is located on the OP mezzanine level. 40 x MX patch outlets to suit intelligent lighting fixtures also situated throughout the theatre.

Positions

3 x Catwalk LX bars (Catwalk 2 & 3 situated above audience. Catwalk 1 is above the stage apron and is referred to as the Proscenium bar – all fixed). Each bar has 26 patch points and 4 x DMX points (2 at PS and 2 at OPS). Each fixed bar has a rating of 50kg per linear metre. Catwalk 2 & 3 have 2 x Data/Ethernet ports at each end.

1 x Balcony rail with 16 patch points and 2 DMX points at either end. Accessibly only via a ladder.

4 x ITE LX Ultra motorised lighting bars (above stage), individually controlled via a hand pendant controller on PS. Bars have a Working Load Limit of 500kg and a Pont Load of 50 kg. 24 outlets on each bar, along with a 5pin DMX outlet and an Ethernet patch point on Op side and centre of bar. Bars are 16.02m in length and cannot be swung. Bar 4 is used for the 18 x ShowPro LED Cyc lights.

6 x Side ladders. 3 on prompt and 3 on opposite prompt galleries. Each ladder has 4 x patch/GPO outlets, 1 x DMX and 1 x Cat6 Ethernet outlet. These ladders are on rails and can be moved.

Please note, there are no follow spot positions in the catwalk or auditorium space.

Flying Facilities

The theatre does not have a flying system apart from the designated LX bars. However, there is 1 x scenery bar mid stage which is controlled via an Ethernet cabled remote. S.W.L.L of 150kg.

10 x scenery battens (fixed). Only accessible with an EWP

Control

GrandMA 2 on PC system with a command wing and fader bank

The system is currently running ArtNet with 4 DMX universes available to the system and 2 dmx cables

Power & Data



9 x 12channel Dimmer Racks

3 x 3Phase power distros

2 x LSC MDRX 10 way DMX Splitters

4 x Chauvet Data Stream 4-way DMX Splitters (5 & 3 pin)

The patch bay is located on the mezzanine level OP side

Fixtures

26 x Showpro LEDPAR181 Quad 18 LED

12 x Selecon RAMA 16RAFR175PL HP Fresnels 1000w

12 x Selecon SPX 15/35 Profile with GKV 800w lamp

18 x ShowPro LEDCYCRGBWA LED Cyc

4 x Harmony 1k Profiles

4 x Acclaim 650w Profile

2 x Chauvet Mavrick Profile Spots (LED)

7 x K Smart moving spots (LED)

4 x BeamZ Moving wash (LED)

4 x Aryton Diablos moving lights (LED)

4x Pluto 4000 Moving Wash (LED)

X2 Show Pro Hazers

X8 2k Fresnels

Various 1k, 2k, spots and washes

Please contact the venue for current standard LX plot. Any additional fixtures required for a show will incur an extra charge.

Other LX Patch Locations

DS Apron:	2 x Stage Boxes (P & OP), 1 x DMX outlet, 2 x GPO's (green power), 2 x Ethernet outlets, 2 x data ports
DS Prompt:	2 x DIM/GPO outlets, 1 x DMX input, 2 x DMX outlets
DS Opp. Prompt:	2 x DIM/GPO outlets, 1 x DMX outlet
US Prompt:	6 x DIM/GPO outlets, 1 x DMX outlet
US Opp. Prompt:	6 x DIM/GPO outlets, 1 x DMX outlet
SMD:	2 x DMX Inputs

Huntingtower has a limited number of extension leads and no 3-phase cables.



House Lights

Stand Alone Control – Available from a wall control unit situated next to the SMD, or a control unit in control room.

DMX Control – via lighting console

Audio

Control & Amplification

Primary Mixer

Soundcraft Vi3000 digital console (remote access via iPad)

32 x Mic/Line Input Channels – local

64 x Mic inputs (stage rack/house patch system)

32 x Mix Outputs (Auxs, Groups and Matrix)

Madi and Dante access

Multi-Track recording of up to 64 channels now available

Control/Playback

Mac Studio with Pro Presenter 7, Qlab and power point (redundancy machine online)

iMac with Pro Presenter 7, Qlab and power point.

Amplifiers & Speakers

FOH System

3 x d&b audiotechnik 30D Amplifiers (4 x 1600w into 4Ω)

1 x d&b audiotechnik 10D Amplifiers (4 x 700w into 4Ω) (Audience Front Fills)

14 x d&b audiotechnik Ti10L Speakers (7 per side)

1 x d&b audiotechnik Yi7P Speaker (Centre)

1 x d&b audiotechnik Yi10P Speaker (Centre)

4 x d&b audiotechnik 27A Subwoofer (Centre)

8 x d&b audiotechnik 4S Speaker (stage front fill)

4 x d&b audiotechnik 5S Speaker (under balcony fill)

4 x d&b audiotechnik 8S Speaker (stalls side)

4 x Dynacord Cobra 18" Sub Woofers (on stage level directly under main array hangs)



Control Room Monitoring

2 x d&b audiotechnik 8S Speaker

Foldback

7 DB Tech 12" Powered Speakers

2 x Quest QS350 Speakers (passive)

2 x DynaCord Cobra line array speaks (Side fill left and right, flown)

1x Vi4000 mixing console available for mixing stage monitors

Hearing Augmentation

The Huntingtower PAC has a Rode NTG-2 shotgun mic mounted on catwalk 2. The signal is routed to the control room where it is plugged into an Australian Monitor AMIS26 distribution pre amp, which feeds the Ampetronic hearing loop amplifiers. There is an induction loop under the carpet in both stalls and balcony areas. The signal can be received by switching a hearing aid to "T" mode.

Microphones

2 x Shure MX412 Gooseneck Condenser Microphone (Lectern)

6 x Shure SM58 Dynamic Vocal Microphone

7 x Shure SM57 Dynamic Instrument Microphone

4 x Shure Choir Microphones

1 x Audix i5 Dynamic Cardioid Instrument Microphone

1 x Shure PGA98H Cardioid Condenser Instrument Microphone

1 x Sennheiser e602-II Cardioid Dynamic Instrument Microphone

2 x Rode NT5 Cardioid Condenser Mics (1 x matched pair)

6 x Rode M5 Cardioid Condenser Mics (3 x matched pair)

2 x Behringer C-2 Studio Condenser Mics (1 x matched pair)

2 x SE Electronics sE1a Cardioid Condenser Mics (1 x marched pair)

2 x JTS NX9 Vocal/Instrument Condenser Microphone

1 x JTS NX8 Handheld Dynamic Microphone

1x Beta 52 Kick drum mic

Radio Mics

24x Shure ULX D radio channels

24x Shure ULX D belt packs



12 x Shure ULX D handheld mics (x4 KSM9, x2 BETA 58, x4 SM58)
X4 DPA headsets
X20 Jagg headsets

Audio Accessories

16 x Tall K & M Boom stand
7 x Small K&M mic stands
5 x Behringer Powerplay P2 In-Ear Monitor Amplifiers
2 x Palmer 2ch Passive DI
2 x Palmer 1ch Passive DI
2 x Palmer 1ch Active DI
1 x ARTcessories 1ch (Xdirect) Active DI
1 x 12/4 30m Multicore
3 x Radial Stereo DI Box
1 x Radial Mono DI Box
4 x LP claws

Audio Cable

Various lengths of XLR, 6.5mm jack, 3.5mm jack, RCA and adapters

Audio Patching

All terminate at patch bat on mezzanine level, OP

Apron stage boxes –

DS Apron (prompt):	6 x XLR sends, 1 x XLR return, 1 x speakon patch
DS Apron (centre prompt):	6 x XLR sends, 1 x XLR return, 1 x speakon patch
DS Apron (centre OP):	6 x XLR sends, 1 x XLR return, 1 x speakon patch
DS Apron (OP):	6 x XLR sends, 1 x XLR return, 1 x speakon patch

Mid stage boxes –

Prompt:	2 x XLR sends, 1 x XLR return
Centre:	2 x XLR sends, 1 x XLR return
OP:	2 x XLR sends, 1 x XLR return

US wall plates -

Prompt:	4 x XLR sends, 1 x XLR return
OP:	4 x XLR sends, 1 x XLR return

Stage Managers Desk (OP):	4 x XLR sends, 1 x XLR return
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DS wall plates -

Prompt: 6 x XLR sends, 1 x XLR return

OP: 6 x XLR sends, 1 x XLR return

Communications System

1 x Jands Ezicom E-400 Intercom 4ch master at audio console

7 x Ezicom E-100 beltacks (cabled)

7 x Clear-Com headsets

Talkback patching located at Stage Managers Desk, LX control, audio control, both prompt side change rooms, green room, US Prompt, US OP, Catwalks 1 & 2, ticket counter/cloak room (foyer), outside broadcast

Vision

All sources of vision run via the Blackmagic Production switch (running at 1920x1080p at 50)

Control/Playback

Mac Studio with Pro Presenter 7, Qlab and power point (redundancy machine online)

iMac with Pro Presenter 7, Qlab and power point.

Sources (running at 1920x1080p @ 50)

Stage input (HDMI)

Control input (HDMI)

Projector

Epson EB-L1505UNL – 12,000 lumens, 4k enhancement, laser light source (installed on balcony fascia)

Screens

16:10 Front Projection: Screen Technics – 5.385m x 8.62m (motorised, controlled via Creston touch panel)
(1.86m from SL)

16:9 Front Projection: Stumpfl, dead hung on scenery bar located at the rear of the stage.

– 16' x 9'

(4.09m from SL)

CCTV



Foyer camera
Stage camera

Monitors – Routed via NDI*

2 x Stage foldback monitor: Samsung 31"
1 x Green room monitor: NEC 31"
1 x Stage Manager monitor: NEC 31" (Stage view)
1 x Foyer monitor (above auditorium entrance): Panasonic 72"
Drama room CCTV feed
P side CCTV feed

Please note access to school wifi or network is not permitted.

Laundry/Wardrobe

No laundry washing or drying facilities within the venue.

Green Room (OP)

- Microwave
- Small bar fridge

Dressing Room

There are two dressing rooms on OP side of stage. Each dressing room is equipped with mirrors, make-up lights, sink with hot/cold water, independent heating/colling controls, costume rack and provisions for preview monitor and talkback.

1 at 3.6m x 5.3m (19.08m²)

1 at 4.5m x 5.3m (23.85m²)

Venue Manager & Tech On Duty Authority

The Theatre Manager, Venue Manager or TOD have the right to stop any activity that they deem unsafe or threatens the well-being of any individual or the venue itself and can take action, delegate and issue instructions to address such a situation. They also have the right and authority to amend or deem unfit any set, props, or technology brought in with the production if it is found to be unsafe.

HUNTINGTOWER

Early Learning to Year 12 Co-Educational School

