

Her Majesty's Theatre

City of Ballarat



TECHNICAL SCHEDULE

As at 12th June , 2009

TECHNICAL OPERATIONS MANAGER: Stephen O'Neil

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Ballarat**eureka!*



GENERAL The theatre is in proscenium arch form, with a raked stage, seating on three levels, and an orchestra pit.

1997 PERFORMING ARTS CENTRES FACILITIES AUDIT

In the 1997 Performing Arts Centres Facilities Audit conducted by Arts Victoria and the Victorian Association of Performing Arts Centres Her Majesty's Theatre was recommended for a "AAH" (AA - best practice facility, H - Historic) category rating.

Seating

Seating capacity is 959.

Stalls	481
Dress Circle	224
Balcony	254

Of these seats 40 are considered to be 'slips' or 'sight obscured' positions.

There are 60 Standing positions in the "Gods" if these are not required by the Hirer for the Follow Spot operators.

Foyer

The Hugh Williamson Foyer is accessed directly off Lydiard Street South. The Candy Bar is situated in the Hugh Williamson Foyer.

Long Room Bar

The Long Room contains a Licenced Bar and is situated above the Hugh Williamson Foyer between the Dress Circle and the Balcony. May be used for Private Functions. Can accommodate up to 100 Patrons standing or 90 Patrons seated in Auditorium Style.

Orchestra Pit

Accommodates up to 25 musicians comfortably, though 35 musicians have fitted. The Pit walls are fitted with Lighting, Audio, and Power outlets. A dedicated dimmer, operated from a remote unit near the conductor, allows control of Sconces. Access to the Pit is via Basement Dressing Room Level. 20 Music Stands with Sconces are available.

STAGE DIMENSIONS

Proscenium

Width	8.46metres
Height	6.15metres

Stage width

(wall to wall) 18.25metres

Stage depth

Setting line to apron of stage	0.52metres
Apron to House Curtain	0.82metres
Setting line to last set of lines	11.7 metres
Setting line to rear wall	15.3 metres

Stage floor

Surface is Masonite panels laid over hard wood. Colour is black. If a colour change is required by the hirer, the cost to return it back to black is charged back to the Hirer.

Rake

Rake angle is approx. **1:25**

<u>Fly Tower</u>	Stage to Grid	DS.	13.4 metres
		US.	12.4 metres
	Stage to Fly Gallery	DS.	7.38metres
		US.	6.95metres

Width between fly galleries 13.1 metres

Standard batten length 11.2 metres

STAGE MACHINERY

House Curtain Single purchase counterweight set, operated from Prompt corner. Curtain flies out to a maximum of 5.5 metres.

Fly Lines 31 Double purchase, counterweight sets with Steel Battens and 4 pickup lines. Operated from Fly floor on OP. There is provision for 47 sets, and in time new lines will be added.

Load capacity per batten maximum		140 Kg.
Point loading per batten maximum		120 Kg.
Grid point loading		1500Kg
Batten travel	DS.	12.4 metres
	US.	11.4 metres

Line 1 is not available for general use. Contains a permanent Scenic Cloth. There is also a Historical Handline positioned up stage amongst the counterweight lines.

Lighting Bars 4 Hand winches operated from PS. Fly Gallery. Load capacity approx. 500 Kg.

<u>Fire Curtain</u>	Material	-Fire resistant fibre
	Manual control	-Prompt or OP corner
	Operating time	-Approximately 5 Seconds
	Winch-up mechanism	-Manual from PS.Fly floor

Water curtain Sprinkler system that drenches the fire curtain. Manual and Automatic operation, Controlled from Prompt or OP corners.

FACILITIES

<u>Stage Loading</u>	Width	1.9 metres
<u>Door</u>	Height	4.26 metres
	Diagonal	4.84 metres

Electrically operated and interlocked to Access Mechanism.

The stage is 6.3 metres above ground level, a portable hydraulic Stage Access Mechanism is available to facilitate loading to stage. The platform area is 1.6 metres wide x 2.92 metres long, and has a safe working load of 900 Kg.

Please Note: under Worksafe Guidelines no item exceeding the dimensions or boundaries of the platform will be carried, with the exceptions of Flats with dimensions not exceeding 5.5metres long and 2metres wide, and Rolls of fabric not exceeding 5.5 metres long. Only suitably trained and authorised persons from Her Majesty's may operate the Access Mechanism.

THEATRE ACCESS Access for All Crew and Cast is via Stage Door in Lewis Street at the rear of the theatre. Sign in book at Stage Door Office.

Stage Cloths

Legs	6 pairs	Height	6.5 metres
	Cloth	Width	2.5 metres
			Black Wool
Borders in pairs	3 sets	Height	2.4 metres
		Width	6.0 metres
		Cloth	Black Wool
Tabs	2 sets	Height	7.0 metres
		Width	6.0 metres
		Cloth	Black Wool
	Note:	One Set is French Action	
GauzeX 1		Height	6.5 metres
		Width	11.2 metres
		Cloth	Sharks tooth
		Colour	Black
Cyclorama X 1		Height	7.0 metres
		Width	11.2 metres
		Cloth	Cotton
		Colour	White

Note: Cyc is treated with Proban Flame Retardant.

STAGE MANAGER'S DESK

- Located in Prompt Corner.
- Paging to Dressing Rooms and Foyers.
- 2 loop Concertcom Talk Back system, wired to points throughout the auditorium.
- Theatre program to all backstage areas.

Talk Back 1 X Concertcom command centre, with 2 loops, and Program input. Rated to supply up to 30 stations.
6 X Concertcom Belt packs
8 X Jands Belt pack Talk Back Modules.
14 X Beyer D 109 single muff headsets.
4 X Jands Talk Back Speaker stations.
4 x HME Wireless Talk Back

Program Relay There is a complete 100V line distribution system of program on stage to all areas backstage and dressing rooms.

Video Relay Colour Camera mounted centre from underside of balcony. Distribution via RF. to various places backstage and front of house. Derives audio from program relay. Tuned to channel 1.

ADJUDICATOR'S POSITION

Situated at the front of the Dress Circle.
Connections for audio, lighting console, SM communication, house light control, power, and non-dim relay control.
This position can also be used as a Production Desk during set-ups and rehearsals.

DRESSING ROOMS There are 13 dressing rooms on two levels below stage, and the Melba Room above. These are available to the Hirer, all have individually lit make-up benches, hooks, costume racks, hot and cold water, and program speakers.

Room	Size	Area Sq. M	No. of persons
1	4.7 X 4.8	22.56	7
2	2.8 X 6.5	18.2	5
3	4 X 6.5	26	8
4	3.3 X 3.9, 4.6 X 2.6	24.83	8
5	3.7 X 6.7	22.94	7
6	3.6 X 6.7	24.12	7
7	4 X 2.9	11.6	4
8 or VCO	2.9 X 5	14.5	4
9	4.1 X 2.6	10.66	3
10	3.4 X 3.9	13.26	4
11	4.1 X 3.5	14.35	4
12	3.3 X 3.7	12.21	3
13 Melba Room	3.6 X 6	21.6	7

OTHER ROOMS Flats Store 3.6x6.2 m 22.32 sq ms.

Green Room 11.5x3.6 m 41.4 sq ms.
Fitted with fridge, microwave, constant boiling water unit,
Coffee and tea making facilities.

Laundry 4.1x3.0 m 12.3 sq ms.
Fitted with washing machines, dryers, irons and ironing board. Located lower
Dressing room level.

Props Store 3.6x8.3 m 29.8 sq ms.
Located off the stage area.

Visiting Company Office (Also used as Dressing Room 8)
2.9 X 5 14.5sq m
Located on lower Dressing Room level . Can be fitted with a desk and has a
separately metered Telephone - (03) 5333 5808.

First Aid Room
Fitted with hospital bed, first aid kit, wash basin and handwash.

Toilets

**Male and Female toilets located on each dressing room level backstage.
Each has shower facilities.**

Stage Door Office
Located at Stage Door. Has an internal phone. Video and program relay.

WORKSHOP FACILITIES

1 X Snorkel TV25 Elevating Work Platform
2 X 3m A-Frame ladder
1 X 3.8 – 6.2m Straight extension ladder
2 X Multilevel ladders
3 X Cordless drills
1 X Air compressor and variety of tools
1 X Arc Welder
1 X Drill Press
1 X Grinder
Assortment of power tools, drills, saws, jigsaw and angle grinder.
Safety Goggles, gloves, masks e.t.c.
and a range of small (boomerang shaped) tools are available.

LIGHTING EQUIPMENT

See attached Lantern Schedule for lantern stock.

Lighting Control STRAND 530i control desk
750 Control Channels , 2048 DMX channels
Hard disk drive storage and Floppy Disk
Shows stored across network
Moving light software and soft patch
TFT Colour Monitors
Riggers
Showlight conversion of show available on site

Control Points 1. Lighting Control Room (rear of balcony)
2. Prompt Corner
3. Rear of Stalls
4. Adjudicators position (dress circle)
5. Front of balcony

Dimmers 60 x Bytecraft APC Series 2.4Kw
48 x LSC TS Series 2.4kw
40 x Rank Strand JTM 2.4 kw
24 x Jands Protech 2.4 kw
24 x Jands Protech 5 kw
Located on Fly Floor US/PS.

Non-Dim There are six non-dim circuits terminating at the patch panel on the Fly Floor US/PS.
Circuits 1-6 are controlled from Prompt and Opp Prompt. Circuits 1-3 are controlled from the House Light remote unit, locatable at various points around the auditorium. Maximum load per circuit 10A. Maximum load for all circuits 20A.

LIGHTING BARS

Dome Bar

(Curved)	Throw Length from centre of bar	19.0 m
	Throw Angle from centre of bar	42 deg
	Length of bar	2.5m+4m+2.5m
	Patch outlets	20 x 10 amp

Balcony Booms PS and OP

Throw Length	14.5 m
Throw Angle	35 deg
Length of bar	2.0 m
Patch outlets (each)	6 x 10 amp

Dress Circle

(Curved)	Throw Length from centre of bar	14.7 m
(pros. to pros.)	Throw Angle from centre of bar	20 deg
	Length of bar	Full curve of dress circle
	Patch outlets	24 x 10 amp

Stage

There are 4 hard wired lighting bars which feed to Fly Floor PS.

Bar 1. Sub-Patch numbers	1 - 22	22 x 10 amp
Bar 2. Sub-Patch numbers	23 - 44	22 x 10 amp
Bar 3. Sub-Patch numbers	45 - 66	22 x 10 amp
Bar 4. Sub-Patch numbers	67 - 74	8 x 10 amp
Sub-Patch numbers	1- 4	4 x 20 amp

Stage Booms

10 x 5 metre poles which may be hung from the toggle rails of the Fly Floor finishing approximately 3 m from stage.
6 x Boom Base Trolleys .Max Height of pipe 4m.
2 x Push-up Trees.

Patch Panel 200 lighting outlets fully patchable via a master patch panel located on the fly floor US/PS.

AUXILIARY POWER

2 x 32 amp three phase 5 pin type located U.S.OP WALL.

2 x 32 amp three phase 5 pin type located OP. Fly Gallery for additional Dimmers.

1 x 32 amp three phase 5 pin type located P.S. Fly Gallery for additional Dimmers.

1 x 60 amp three phase connection at Outside Broadcast Position.

Patch Outlets

Location	Quantity	Outlet Numbers
Dome	20	1- 20
Balcony Boom PS	6	21- 26
Balcony Boom OP	6	27- 32
Balcony Ballast. PS	4	33- 36
Balcony Ballast. C/PS	5	37- 41
Balcony Ballast. C/OP	5	42- 46
Balcony Ballast. OP	4	47- 50
Dress Circle	24	51- 74
Follow Spot Patches (Balcony)	4	83 PS., 84 Cent., 85 OP., 86 BioBox
Stage Bar 1 Patch at Fly Gallery P.S.	18	87-104
Stage Bar 2 Patch at Fly Gallery P.S.	12	105-116
Stage Bar 3 Patch at Fly Gallery P.S.	12	117-128
Stage Bar 4 Patch at Fly Gallery P.S.	10	129-138
Floor Traps DS/PS	2	143-144
Floor Traps DSC/PS	2	145-146
Floor Traps USC/PS	2	147-148
Floor Traps US/PS	2	149-150
Floor Traps DS/OP	2	151-152
Floor Traps DSC/OP	2	153-154
Floor Traps USC/OP	2	155-156
Floor Traps US/OP	2	157-158
Ground Row US/PS	4	159-162
Fly Floor PS	8	175-182
Fly Floor OP	8	183-190
Proscenium Wall PS	6	191 & 195-199
Proscenium Wall OP	6	191-194 & 198-199

AUDIO EQUIPMENT

Audio Mixers

CREST X-EIGHT 40+4+8HS

40mono , 4 stereo inputs, 8 Aux, 8 groups
4 X 12 Matrix from Groups, Left, Right, Mono and External inputs
Permanently mounted at FOH mixing position

Mackie 1642-VLZPRO

16 bal. mic/unbal. line inputs
4 stereo line inputs
stereo output
4 foldback sends
4 aux
phantom power

FOH Amplifiers

6 X MC² T1000 amps
4 X MC² T1500 amps
1 X MC² T2000 amp

F/Back Amplifiers

2 X Crest LT2000 WPC amps

1 X Mackie M1400 amp

Program Relay Amp

1 x JEIL 1120A 150W with priority mic located on SM desk.

Compressors

1 X Symetrix 501 peak RMS compressor limiter

FOH Processors

2 X BBS Sound Webs 9088ii controlled via main audio server and/or remote laptop.
2 X BBS Mini Drive 334's (For crossover and box time alignment)
1 X BBS Mini Drive 336 (For crossover and box time alignment)

Graphics

1 X Dod R 431 Dual 1/3 Octave Graphics
2 X Rane ME-30, 30 band eq
2 X EV dual 15 band eq
1 X Sabine FBX 901 feedback eliminator

Reverb Unit

1 X Yamaha SPX1000 digital multieffects

FOH Speakers

3 x Pairs Funktion 1, Resolution 2's
1 x Pair Funktion 1, Infra Bass
1 x Funktion 1 AX88 (Centre fill above prosc)
JBL Control 1's as delays under balcony, dress circle ,front fill and stalls.

Foldback Speakers

4 X EAW SM200iH 12" 2way
2 X JBL 2 way 12" driver 1" horn
8 x JBL Control 1's on LX Bars over stage

Microphones

6 x Shure SM 58
4 x Shure SM 57
6 x AKG 391
1 x AKG 451 E Pre-amp (Program Mic)
1 x AKG CK9 Capsule (Program Mic)
2 x AKG CK47
1 x BETA 52
4 x BETA 91
4 x BETA87 handheld Radio
2 x BETA 87A
4 x SURE UC SERIES Body mics receivers + countryman capsules
8 x SENNHEISER EVOLUTION SERIES SK500G2 Body Mics
4 x SENNHEISER EVOLUTION SERIES SKM500G2 Handhelds
2 x DOD 275 Active DI Box
2 x BSS AR133 Active DI Box

Tape Units 1 X Dual Dennon DN2600F CD player
 1 X Dual Dennon DNM2300R MD recorder/player
 1 X Dual Dennon DN770R Tape recorder/player
 1 X Sony CDP XE200 Cd Players

F O H Mixing Position Provision is made at the rear of the Stalls for mixing Audio.

Hearing Loop Located centre of dress circle powered by Auditec 120W Hearing Aid Amp.

CONTROL POINTS

The Audio Desk is connected via a 48 Channel, 20 return multicore to a patch panel near the amplifier rack located in Prop Store on Prompt Side of Stage.

MICROPHONE PATCH POINTS

Note: Microphone Patch Points are standard 3 pin XLR type.

Location	Quantity	Numbers
Op Corner	20	149-168
Prompt Corner	20	49-68
US Prompt Stage Trap	12	181-192
Fly Floor PS	12	169-180
Orchestra Pit	20	69-88

LONG ROOM SOUND SYSTEM

Scorpion BA-250G. 150 Watt Amplifier.
 With 1 Bal. Mic. Input and 1 Unbal. Line input. And 6 band Graphic Eq.
 2 X 10" Celestion with 1/2" horns
 1 x Sony CD player

SPEAKER OUTLETS

Note: Speaker outlets are 2 pole Speakon connectors.

Location	Quantity	Numbers
Stage Traps PS	2	5- 6
Stage Traps OP	2	7- 8
Prompt Corner	1	9
O/Prompt Corner	1	10
Fly Floor PS	1	11
Fly Floor OP	1	12
Orchestra Pit	1	14

PIANOS

- 1 x Steinway Grand*
- 1 x Bluthner Grand
- 2 x Upright Pianos*
- 1 x Upright in pit

Pianos marked with a * are the property of the Royal South Street Society. Unmarked Pianos are the property of the City of Ballarat.

A Piano hire fee is applicable to use all Pianos:
Grands \$192.00 P/day, Uprights \$55.00 P/day, plus tuning prior to use.

Note: Piano in the orchestra pit is the property of Her Majesty's Theatre. No hire charge applies for use of the pit piano, although the tuning fee will apply.

AUDITORIUM LIGHTING

Two zones each with a 5 kw dimmer. Dimmers are located in the Foyer Switch Room.

Main control station is located in the Audio Control Room. Remote stations are located in the Box Office FOH, and in Prompt Corner.

A portable control unit is available to connect at all lighting control positions. (also controls non-dims 1-3)

FOYER LIGHTING

Six zones, each with 2.5kw dimmer. Dimmers located in the Foyer Switch Room. Control points are located in the Box Office FOH.

DISABLED PERSON ACCESS

Wheelchair/ disabled persons are provided access via a custom built lift to the Stalls, Hugh Williamson Foyer, and Disabled Toilets.

A lift from the auditorium to the stage is available. Please provide notice if this is required.

NOISE LEVELS Sound Pressure Levels within the auditorium should not exceed an average of 88dB continuous exposure per four hours per day (National Health and Medical Research Council of Australia). For Sound Pressure Levels in excess of 88 dB to a maximum Peak Level of 140dB hearing protections must be made available to Her Majesty's Theatre staff and patrons.

LANTERN SCHEDULE

BRAND	PATTERN	TYPE	WATTS	No.	ANGLE	LAMP
Giotto	4134	Flood	1250W	2	Blinder	P2/12, R7S
Giotto	4134	Flood	4x1250W	4	Cyc	P2/12, R7S
Selecon	Hui	Cyc 4way	800w	4	Cyc	P1/11
CCT	Starlette	Fresnel	1000W	18	6-60*	T11/19, GX9.5 6996P
Selecon	SF1200	Fresnel	1200W	22	7-56*	T29 GX9.5 6996P
Strand	Cantata	Fresnal	1200W	24		T29 GX9.5
Selecon	Pacific	Profile	1000W	12	12-28*	Blue Pinch, GX9.5 6996P
Selecon	Pacific	Profile	1000W	4	20-50*	Blue Pinch, GX9.5 6996P
Strand	SL	Profiles	600w	40	15-32	GKV
Strand	SL	Profile	600w	4	10'	
Strand	SL	Profile	600w	1	5'	
Selecon	Condenser	Profile	650W	12	15-28*	T26/27, GY9.5 6823P
Strand		Fresnel	650w	6		
Selecon	Performer 1200MSR	F /Spot	1200MSR	2	5.5-9.2*	1200W MSR Single Ended
Strand	Patt 293	F/Spot	2000W	1	15*	CP41,

Also available are 24 x P64 MFL 1000w/110v Parcans