

TECHNICAL SPECIFICATION

BLAKISTON DRAMA THEATRE

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VENUE OVERVIEW

A studio style theatre with a capacity of 325, this venue is as pleasurable for performers as it is for the audience.

The Blakiston Drama Theatre is an ideal space for intimate live theatre, acoustic concerts, comedy, public lectures and seminars.

AUDITORIUM SEATING

Capacity 325

Studio Style Theatre Seating

PRODUCTION DESK POSITIONS

House seating can be removed to facilitate production equipment and operation. Any removal of seating must be confirmed prior to tickets going on sale.

Removable seating is only available at the rear of stalls

ACCESS FOR SCENERY

A ramp leading up to the dock door is off Little Malop Street on the eastern side of the building.

Ramp Height (max. vehicle height)	4.4m (14'5")
Ramp Width	3.36m (11')
Scenery Dock Doors (above Ramp level)	1.18m (3' 10 1/2")
Scenery Dock Doors: Height	3.6m (11' 9 1/2")
Width	3.5m (11' 6")
Scenery Dock to Stage Doors:	
Height	4.8m (15' 10 1/2")
Width	3.5m (11' 6")

FIRE SAFETY

All scenery and staging elements must be adequately flame proofed.

ELECTRICAL SAFETY

All electrical equipment must display a current Test Tag.

DIMENSIONS

The Blakiston Drama Theatre from wall to wall is 18.5m x 18.5m (60' 8 1/2"). The theatre has a corner stage with a triangular frontage.

STAGE DEPTH

Centre front	setting line to upstage centre	11.26m (36' 9")
O.P. & P.S.	setting line to upstage centre	9.5m (31' 2")

STAGE WIDTH

O.P. wall to P.S. wall (Widest point behind setting line)	13.26m (43' 5")
Centre setting line frontage	4.05m (13' 3")
O.P. & P.S. setting line frontage	6.5m (21' 3")

STAGE SURFACE

Rake - Nil	
Material – Timber (Masonite covered)	3 cm (1 1/4")
Upstage Wings - concrete	
All flush	

STAGE HEIGHT

From floor to underside of lighting catwalk	5.69m (18' 8")
From floor to ceiling	7.67m (25' 2")
O.P. wall opening (to backstage area)	2.37m (7' 8")
P.S. wall opening (to backstage area)	3.61m (11' 8")

ACCESS EQUIPMENT

JLG 20DVL – self propelled elevating work platform
Snorkelift TV-25 – elevating work platform

STAGE DRAPES

THEATRE MASKING

Black Wool drapes are provided to all exposed areas of the four walls.

FRONT CURTAIN

Black Wool drapes run along the setting line to form a house curtain. Curtain operation is motorised, and can be operated from stage level or the control room.

STAGE MANAGEMENT CONTROL FACILITIES

Paging and programme relay to all backstage areas
Talkback communication to all production areas
(1 x Clear-Com MS-232 2-channel Main Station)
(6 x Clear-Com RS-501 beltpacks & headset)
F.O.H. Announce Mic
Cue light system
CCTV monitoring of stage
PABX phone
LED real time/stop clock
Dimmable desk lamps

SOUND FACILITIES

LOUDSPEAKER SYSTEM

The speaker system consists of five (5) Tannoy T300 speakers.

All Tannoy speakers are flown from the fixed grid and provide coverage to the entire venue. The system can be run as a left, centre, right system.

One (1) T300 is flown either side to provide the left and right image. The other three (3) T300 speakers are flown to cover each bank of seating.

DRIVE AND CONTROL

Amplification is housed in single rack in the dimmer room. A CYBERLOGIC NC-812 power frame provides amplification, with each T300 driven by its own amplifier channel.

MIXING CONSOLE

Allen & Heath GL2200 - 24 - 4
22 mono, 2 stereo, 4 groups, 6 aux, 2 stereo returns, L, R, Mono sum

PLAYBACK / PROCESSING

1 x YAMAHA SPX 990 Multi FX
1 x YAMAHA REV 500 Reverberator
1 x dbx 2231 Graphic Equaliser
1 x SONY CDP-D11 CD player
1 x DENON CD/Tape combo unit

SPEAKER TRIM HEIGHT

Bottom of speaker to stage height 4.54m (14' 9")

CABLING INFRASTRUCTURE

48 tie lines are available between the stage and control room.
XLR connectors are used throughout.
Ethernet and BNC runs are available.
4 tie lines to the Ford theatre are available.

AUDIO POWER

30 AMP 3 PHASE (Located in the Scene dock cage)

LIGHTING FACILITIES

MAIN LIGHTING CONTROL DESK

Strand 520 Genius Pro Console (OS v2.8.6)
C/w 300 Channels, Tracker and Networker software, IPAQ wireless riggers remote, two monitors and keyboard

DMX RETICULATION

Two (2) runs of DMX are available to areas further detailed on the lighting plan. Run A is used for venue lighting and run B is available for other equipment.

DIMMERS

Analogue dimmers:

28 x 2.5kw and 20 x 5kw dimmers
Hardwired to patch bay located in Dimmer room.
Analogue to digital conversion via LSC linklights.
Total analogue dimmers: 48

Digital dimmers:

5 x LSC TS-12 Channel dimmer racks
(2.5kw per channel)
Distributed to five (5) lighting gantries.

4 x Bytesize 483 bigtop 12 Channel dimmer racks
(2.5kw per channel)
Located in the dimmer room
Total digital dimmers: 108

1 x APC 12 Channel Dimmer Rack
Located at DSOP

TOTAL AVAILABLE DIMMERS: 168

LIGHTING GRID

A fixed grid provides for four (4) bridges. Bridges are numbered from P.S. 1 to O.P. 4. Five (5) lighting gantries are located between the bridges. Three (3) gantries are located between bridges 2 and 3. One (1) gantry is located between bridges 1 and 2. One (1) gantry is located between bridges 3 and 4.

SUB PATCH CABLING

140 x Sub Patch Circuits are evenly distributed around the four (4) bridges.
5 x Sub Patch Circuits are in parallel on either side of stage
All Sub Patch Circuits run to patch bay area in the Dimmer room.

GANTRY PATCH PANELS

Each lighting gantry has a patch panel located next to a local dimmer, with sub patch circuits evenly distributed along the gantry.

Three (3) centre gantries have 12 x sub patch circuits
Two (2) side gantries have 6 x sub patch circuits

SPECIAL EFFECT CIRCUITS

Each bridge has a special effect circuit operated from S/M panel at stage level.

LUMINAIRE ALLOCATION

40 x 575w Profiles ETC Source 4 Ellipsoid 26 ° & 36 °
20 x 1kw Fresnel Berkey Colortran w/barndoor
16 x 1kw Par cans MFL
2 x 700w Follow Spots Robert Juliet Foxie MSR
(Refer standard lighting layout for position and dimmer allocation)

POWER

3Phase power is distributed to all portable dimmer locations.

Additional outlets are located:

P.S. Stage level – 40 Amp

O.P. Stage level – 40 Amp

Backstage centre – 30 Amp

(Refer standard lighting layout for additional 3Phase locations)

PROJECTION FACILITIES

One Fujitsu 2000Ansi Lumen Data Projector c/w RGB and Comp Video Inputs

One (1) Fumeo 16 mm Projector, magnetic and optical sound track

Perforated Screen – motor driven

Manual rewind (portable)

Splicing block etc

OUTSIDE BROADCAST FACILITIES

Theatre Location: North wall access from acting area

Facilities: 20 x L3 Cannon Receptacles - Female
 2 x BNC Video Connectors
 1 x 250v AC Socket

External Location: Access from Lt Malop Street

Facilities: 20 x L3 Cannon Receptacles - Male
 2 x BNC Video Connectors
 1 x 5 Pin 30 Amp. Outlet (plug type WPT 330 ring grip)
 2 x 3 Pin 15 Amp (socket type WSC 115)

Coaxial Cable: AC wiring is run separately to ducting
Lockable cable trap on panel

Screened Cable: 4 x 14/0022 WH – 528
All video cables are 75/A7/102 double screened

DRESSING ROOMS & FACILITIES

All dressing rooms and facilities are shared between the Ford and Blakiston Drama theatres

DRESSING ROOM – NUMBERS AND FACILITIES

ROOM NO.	BASINS	W.C.'s	SHOWERS	MAKE-UP MIRRORS
1	4	Nil	Nil	20
2	5	Nil	Nil	25
3	3	Nil	Nil	13
4	2	Nil	Nil	4
5	2	Nil	Nil	4
6	2	Nil	Nil	4
7	2	1	1	2
8	2	1	1	2
9	1	1	1	2
10	2	1	1	2
11	2	1	1	2
12	1	1	1	2
13	Nil	Nil	Nil	1 (full length costume mirror)

One Men's W.C. and Shower Block comprising;

- 1) x 5 Showers
- 2) x 3 Basins
- 3) x 2 W.C.'s

One Women's W.C. and Shower Block comprising;

- 1) x 5 Showers
- 2) x 3 Basins
- 3) x 3 W.C.'s

To facilitate Dressing Rooms 1 to 6 and Green Room

Wardrobe Room, dimensions 5.7m x 4.2m comprising;

- 1) x 1 Tumble Dryer (coin operated)
- 2) x 2 Automatic Washing Machines (coin operated)
- 3) x 2 Washing Troughs - and Walk-in Drying Room
- 4) Wardrobe Room has 2 paging speakers - one from each theatre

Kitchen Facilities include:

- 1) Fridge
- 2) Microwave
- 3) Instant Boiling Water
- 4) Instant Chilled Water

Also available:

- 2 x Ironing Boards
- 1 x Steam Iron
- 2 x Work Tables
- 1 x Large Coffee Urn (subject to additional charges)

ADDITIONAL EQUIPMENT

GPAC can supply a wide range of additional equipment that is not fitted as standard (subject to additional charges). Please contact the Technical Department for further information.