

Sutherland Entertainment Centre

Technical Specifications

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Technical Manager: Kevin Moxey

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Venue:

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STAGE

Brief Stage Description:

Unraked stage with no proscenium or flying facilities. Sprung hardwood floor covered with tempered Masonite. Screwing into surface is permitted with permission of Technical manager. (Repair time needs to be allowed for)
Narrow stage crossover behind cyclorama.

Stage distributed load limit	unknown
Stage point load limit	unknown
Stage rake	No

Stage Dimensions:

Proscenium

Width	No proscenium, DS edge of stage is 15m tapering back to 12.6m at mid stage.
Height	1.3m above floor

Setting Line

There is no front curtain; setting line can be DS edge of stage.

Distance From (*SL = Setting Line, CL = Centre Line*)

SL to Mid tabs	4.6m
SL S Cyclorama	7.6m
SL to ups tabs	7.4m
SL to winch bar	7.3m
SL to rear wall	9m
CL to OP wall (or obstruction)	6.3m
CL to PS wall (or obstruction)	6.3m
Stage to underside of grid or roof	6m

Overhead obstructions

Auditorium:

Auditorium consists of level stalls and a stepped balcony. Stalls is a parquetry dance floor with removable chairs

Seating capacity with additional
Orchestra lift/pit seating installed 820 allowing for orchestra pit in front of stage

Seating capacity without
Orchestra lift/pit seating installed 884

Orchestra Lift / Pit:

Orchestra Pit

An orchestra pit can be placed on the floor in front of the stage. A 1m high curtain is used to frame the pit.

Dimensions of the orchestra pit: General size is 15m x 3m, this can be larger but will require the loss of more seats in the stalls.

Orchestra pit maximum capacity approx.40

Flying Facilities:

Fly System

No Fly system installed

Hanging Plot:

SL: Setting Line as indicated previously

Line Type: **SP** = Single purchase, **DP** = Double purchase, **MW** = Motor Winch, **HW** = Hand Winch, **HL** = Handline

W.L.L.: Maximum distributed load including bar weight

Line #	Distance from SL	Line Type	W.L.L	Venue Allocation	Intended Use (hiring company use)
1	7.3m	HW	500kg		Backdrops

Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain	N/A				
Borders	N/A				
Tabs(hand operated)	Velvetine	Black	13m	7m	
Tabs (motorized)	Velvetine	Black	13m	8m	
Cyclorama		white	13m	7m	1

Access Equipment:

Elevated Work Platform

HR 25 push around vertical lift with a maximum reach of 9m

EWP Restrictions

Operator must have a relevant licence. Lift to be used only in accordance with manufactures instructions. Can only be used on auditorium floor, there is no lift facility to place it on the stage.

Ladders

1 x 2.4m Fiberglass step

Staging Units:

10 x 1.2m mega deck staging with grey carpet. 300mm and 600mm legs with skirts.

2 x 2.4m x 1.2m deck with grey carpet

1 x 300mm, 2 x 600mm steps

Stage Traps:

There are 3 traps located along the front edge of stage. All have power.

Safety Curtain:

Safety Curtain installed No

Loading Dock:

Access

Truck access is off Merton Street, accessed from Flora Street. Loading dock is quite narrow and reversing anything over 10t could be restricted by cars parked opposite.

Loading Dock Height Loading dock height is 1.3m, and that gives flat access to Auditorium floor only.

Door Dimensions 3m High 2.6m Wide

Restrictions / Obstructions

Overall width of Loading dock at the entrance to the building is 3,1m

Additional Rigging Notes

200 kg Hand Winch with 4 hanging points – 7.5m from setting line

Staging Notes:

Access to stage is via dressing rooms at rear of stage or via a door and steps OPS front of stage. Treads are also available for access to stage from audience.

(Arrangements for these need to be made with Centre management prior to event).

LIGHTING

Positions:

Stage LX Bars

LX 1	15m truss on motors
LX 2	15m truss on motors
LX 3	12m truss on hand winch 200kg max load

Front truss is also hanging from this position, and is 8m above SL

FOH Bridge #1 12m truss on motors, is 8m above SL

FOH Bridge #2

Setting Line to lighting bar	22m @40deg
Usable bar width	12m on motors
Notes	Nil

FOH Perches (PS & OP)

Setting Line to FOH Perch 10.5m @ 55 deg
Distances are to the highest downstage point of boom or perch.

Maximum lanterns per perch. There is facility to hang 3 fixtures per side.

Notes Nil

Control:

Lighting desk Jands Vista L5
 Signal output DMX 512
 Signal distribution
 Universe
 1 FOH1
 2 FOH
 3 LX 1
 4 LX 2
 5 Stage & Perches
 6 Dimmers
 7 Hazer
 Remote riggers available onstage No

Dimmer Racks:

Total Dimmers 3 x Jands = 36ch
 Dimmer Locations 36ch dimmers located in dimmer room in control room. All dimmers are access via patch bay.
 2.4Kw Dimmer Racks 3x Jands FP-12
 Total dimmers @ 2.4kw per dimmer 36

House

Lights:

Independent control Yes. Via fader controls in control room
 Control positions Control room only
 Fade time adjustable yes, manual

Stage Luminare:

Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Pacific	12-28		1k	14
Selecon				1.2k	12

PC

Make	Model	Detail / Accessories	Watt	Total
Selecon	PC	Barn doors	1200w	16

Wash

Make	Model	Detail / Accessories	Watt	Total
Chauvet	Roguge 2	Moving LED units 16ch	40w	20

Movers

Make	Model	Control Channels	Detail / Accessories	Watt	Total
Robe	DL4x			400	10
Robe	DL4s			400	4
Robe	DL7s			800	4

Follow spots

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Performer	5-20	6 colour magazine	1200w MSR	1

Additional Lighting

Item	Make	Model	Detail / Accessories	Watt	Total
Chauvet	C-640fc		Cyc		10

Power:

- 3 Phase Outlets
 - 1x 32amp OPS
 - 1x 40amp OPS
 - 1x 32amp PS(used for dimmers)
 - 1x 32amp in control room
 - 2x 32amp in loading dock

Cabling:

- 240v Extension Cable
 - Venue has a good stock of extension leads to accommodate the venues standard lighting rig, with additional cables for extra requirements.
- 3 phase Extensions
 - 1x 15m 32amp extension

AUDIO

Control Positions:

Control Room

Rear of auditorium behind sliding glass panels.

Auditorium

Back row of Auditorium.

Other

A monitor console position is available in PS wing.

Control & Amplification:

Primary Mixer

Soundcraft Vi 2000,
32ch digital stage box
2x 12ch analogue stage box
8 monitor sends

Amplifiers

Lab Gruppen C48-4 (2 x monitors)

EQ

Soundcraft Vi 2000 eq

FX

Soundcraft Vi 2000 FX

Compression / Limiter / Gates

Soundcraft Vi 2000 dynamics

Speakers:

FOH Speakers

EDC SQ90 x 6 (balcony)
EDC SQ90 x 2 stereo (stalls)
EDC SQ 30 (delay stalls)
EDC (subs)

Foldback

Renkus Heinz SGX121 x 10
Renkus Heinz SGX151 X 2

Playback:

Item	Make	Model	Detail	Total
CD Player	Denon	DN-C635		1
CD Player	Denon	DN-C620		1
Cassette Player	Yamaha	KX-W952	Dual cassette player	1

Microphones

Make	Model	Detail / Accessories	Use	Total
Shure	ULXD	6 x hand held or 6 x headset		
Beyer Dynamic	ULXD2B58		Vocals	6
Beyer Dynamic	WH30		Vocals/speech	6
Beyer Dynamic	Opus 81	Condenser	Vocals	6
Beyer Dynamic	M88TG		Instrument	7
Beyer Dynamic	MC 930	Condenser overhead	Instrument	2
Beyer Dynamic	MCE86II	Shotgun		6
Beyer Dynamic	Opus 51	Boundary mics		2
Beyer Dynamic	SHM204XD	Condenser gooseneck	Lectern	2
Beyer Dynamic	Opus 99	Large diaphragm cardioid	Kick	1
Beyer Dynamic	MCE530	Condenser	Overhead	2
Beyer Dynamic	Opus 53	Condenser	Hi-hats	1
Beyer Dynamic	Opus 87	Condenser (with clamp)	Snares	2
Beyer Dynamic	Opus 88	Condenser (with clamp)	Toms	3
Shure	SM58		Vocals	2
Shure	SM57		Instrument	3
DBX	DB10	Premium passive		6

Accessories

Item	Model	Detail / Accessories	Total
Lg Mic Stands		boom	20
Sm Mic Stands		boom	10
Straight	Round Base		1

Line Patching

Location	Quantity	Numbering	Detail
PS-DS	16		12 input, 4 returns analogue
OPS-DS	16		12 input, 4 returns analogue
PS-US	16		16 inputs digital
OPS-US	10		16 inputs digital
PS (above)	6		Radio mics via Dante to Vi 2000

Speaker Patching

Location	Quantity	Numbering	Detail
OPS-DS	2	Aux 1 & Aux 2	Monitors
PS-DS	2	Aux 3 & Aux 4	Monitors
OPS- US	2	Aux 5 & Aux 6	Monitors
PS-US	2	Aux 7 & Aux 8	Monitors

Cabling

Audio Cable

Venue has a good stock of cable.

Multicore

1x 15m x 12way multicore

Audio Notes:

Live Recording from 2 rack to 32 Track is available. Recording is via Reaper to .wav files. All recordings must be pre-arranged, and will require the purchase of the supplied Hard Drive.

AUDIO VISUAL

Projection Room:

Control room at rear of Auditorium

Projectors:

Type	Model	Detail / Accessories	Total
Mitsubishi	XL6600U	6000ansi (front row of auditorium)	1
Barco 2K D-Cinema		Bio Box	1

Screens:

Projection Screen

Projection onto Cyclorama

AV Playback Equipment

Item	Model	Detail / Accessories	Total
IBM PC		DVD, PowerPoint	1
LG	DVD player		1

Projector Rigging Points

N/A

Cabling

Centre has limited vision cable in stock. Existing equipment is cabled, anything extra would need to be supplied with cables.

Audio Visual Notes

There is a VGA input socket at SM position PS wing. Video input is available in OPS wing.

BACKSTAGE

Communications

Talkback

Master Unit	ClearCom system, running a single loop.
Total sub stations	6
Total headsets	6
Radio Units In-house	6 (Availability for client use needs to be arranged with Centre management)

Talkback patching located at: PS wing
 OPS wing
 Follow Spot
 LX Control
 Audio Control

Paging / Show relay

Paging to dressing rooms is via SM position in PS wing and Audio control room.

Stage Monitor

N/A

Q Light System

In house Q light system available NO

Dressing Rooms

Dressing Room	Capacity	Toilets	Shower	Details
1	10	1	1	At stage level
2	10	1	1	At stage level
3	15	0	0	M/F toilets are located in corridor
4	15	0	0	3&4 are located under stage level

Laundry / Wardrobe

Washing Machines	N/A
Dryers	N/A
Drying rooms	N/A
Iron / ironing board	YES
Clothes racks	Limited supply

Production Facilities

Production Desk	N/A
Production Office	N/A

Phone
Control Room & Management office.

Fax
Located in Management office.

Access to phone for internet access
N/A

Greenroom

Tea / Coffee facilities	Available on request
Fridge / freezer	Located in Dressing room 1
Microwave	N/A
Running water	Yes

Stage Door
Access
Access is via Merton Street. No security is provided.

ADDITIONAL FACILITIES & INFORMATION

Orchestral
Yamaha Concert Grand at stage level. Tuning fee applies.
Yamaha Upright at floor level. Tuning fee applies.
30 music stands with sconces & 30 black padded seats with backrest
Conductor podium

Rehearsal Space
Rainbow Room, 10m x 10m, carpeted. Bookings essential for this room, additional fee applies.

VENUE

Venue Contacts

Venue Address 30 Eton St Sutherland
Venue Postal Address 30 Eton St Sutherland 2233 NSW

Staff Contacts

Head of Production Kevin Moxey
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Administration
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Box Office Sutherland Entertainment Centre
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Fax Number 02 9545 3216

Venue Plans:

Venue Plan Available

Yes pdf

Venue section is available for download on the APACA website.

Venue Information:

The Sutherland Entertainment Centre is a venue of Sutherland Shire Council. Pre-show dining and Cabaret mode dinner and show options can be provided for weekend and evening events.

The venue is close to Sutherland Railway Station.