

Sutherland Entertainment centre

Technical Specifications

Updated
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Technical Manager: Kevin Moxey

Phone number: 02 95218888
Mobile Number: 0418966155
Fax number: 0295453216
Email address: kmoxey@ssc.nsw.gov.au

Venue:

Phone number: 02 95218888
Fax number: 025453216
Website: www.suthentcent.com.au

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 aluminium step (not for electrical use)

Staging Units:

10 x 1.2m mega deck staging with grey carpet. 300mm and 600mm legs with skirts. One set of steps for each height.

Stage Traps:

There are 4 traps located along the front edge of stage. All have power and 3pin DMX.

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

There are no rated rigging points within the venue.

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

Rear truss is on chain motors and front truss is on chain blocks. All other positions are fixed.

There 3 catwalks located within the venue. The LX hanging bars are located on the top edge of catwalks, restricting lighting positions. There is 1 catwalk, LX2 & LX3 directly in front of mid tab curtain. Bars are at 7.2m bottom of catwalk 6m.

Catwalk 2 is located just in front of stage with LX1 bar 10m and 90deg above SL.

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

FOH Bridge #1

Setting Line to lighting bar 17m @ 60deg

Usable bar width 16 m

Notes Nil

FOH Bridge #2

Setting Line to lighting bar 22m @40deg

Usable bar width 16m Access is limited though

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 Chamsys Maxi-Q
 Signal output DMX 512
 Signal distribution 4 universes: Universe 4 to dimmers, Universe 1 to rear truss,
 Universe 2 universe to front truss. Universe 3 to 80v profiles FOH2.
 Remote riggers available onstage Yes

Dimmer Racks:

Total Dimmers 5 x Jands = 60ch
 Dimmer Locations 36ch dimmers located in dimmer room in control room. 48ch dimmers located in PS wing above stage managers position. All dimmers are access via patch bay.
 2.4Kw Dimmer Racks 2x Jands HP-12
 3x Jands FP-12
 Total dimmers @ 2.4kw per dimmer 60

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	Pacific			600w	4
Selecon	Pacific	12-28		80v 1.2kw	12

Fresnel's

Make	Model	Detail / Accessories	Watt	Total
Strand	Fresnel	Barn doors	1k	4

PC

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

Par Cans

Make	Model	Angle	Detail / Accessories	Watt	Total
	Par 64	Mfl,nsp, vnsp	110v		36

Wash

Make	Model	Detail / Accessories	Watt	Total
DTS	Delta - r	Moving LED units 16ch	40w	26

Movers

Make	Model	Control Channels	Detail / Accessories	Watt	Total
DTS	XR5 spot	21		250	6

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

Patching:

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
LX 3	15		
LX2	15		
LX1	15		
FOH 1	15		
FOH 2	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 removable sliding glass panels.

Auditorium

No other position available.

Other

A monitor console position is available in PS wing, using Cobranet cards to access splits and amplifiers.

Control & Amplification:

Primary Mixer

Yamaha M7CL 48, 48ch, 8 Aux sends

Secondary Mixer

None - Cobranet cards for a Yamaha M7CL essential if a monitor console is to be brought in.

Amplifiers

Lab Gruppen C68-4 (subs)

Lab Gruppen C48-4 (STX 5)

Lab Gruppen C48-4 (2 x monitors)

EQ

Yamaha M7CL EQ

FX

Yamaha M7CL FX

Compression / Limiter / Gates

Yamaha M7CL dynamics

Speakers:

FOH Speakers

Renkus Heinz PN 102LA line arrays stereo (balcony)

Renkus Heinz STX5 stereo (stalls)

Renkus Heinz CFX81 mono (delay stalls)

Turbo Sound TSB212 x 4 (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
Beyer Dynamic	Opus NE 900 Receivers	6 x hand held or 6 x headset		
Beyer Dynamic	S900	Opus SEM981C capsules	vocals	6
Beyer Dynamic	TS900M	Mipro MU55HNS headset mics	Vocals/speech	6
Beyer Dynamic	Opus 81	Condenser	Vocals	6
Beyer Dynamic	M88TG		Instrument	8
Beyer Dynamic	MC 930	Condenser overhead	Instrument	2
Beyer Dynamic	MCE86II	shotgun		6
Beyer Dynamic	Opus 51	Boundary mics		2
Beyer Dynamic	SHM204XD	Condenser goosneck	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	4
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		10 inputs digital
PS (above)	6		Radio mics via 11-16ch of OP-us core

Speaker Patching

Location	Quantity	Numbering	Detail
OPS-DS	2	Aux 1 & Aux 2	monitors
PS-DS	2	Aux 3 & Aux 4	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 Pro-tools HD 7.

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 (flown from LX1	1
Pion	35mm	Projectionist is required to operate	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	8
Total headsets	8
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	N/A
Clothes racks	Limited supply

Production Facilities

Production Desk

Located in Control Room

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
Mobile 0418966155
Email Address kmoxey@ssc.nsw.gov.au
Phone Number 02 9521 8888

Administration
Phone Number 02 9521 8888
Email Address suthentcent@ssc.nsw.gov.au
Fax Number 02 9545 3216

Box Office Sutherland Entertainment Centre
Phone Number 02 9521 8888
Email Address suthentcent@ssc.nsw.gov.au
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.