



# The Pavilion

Technical  
Information

# The Pavilion Performing Arts Centre Sutherland is a new performing arts theatre in the heart of Sutherland, southern Sydney.

The fully refurbished space has been re-developed within the former Sutherland Entertainment Centre. It features a striking entrance foyer, better access for patrons, Proscenium Theatre with new seating and full theatre functionality.

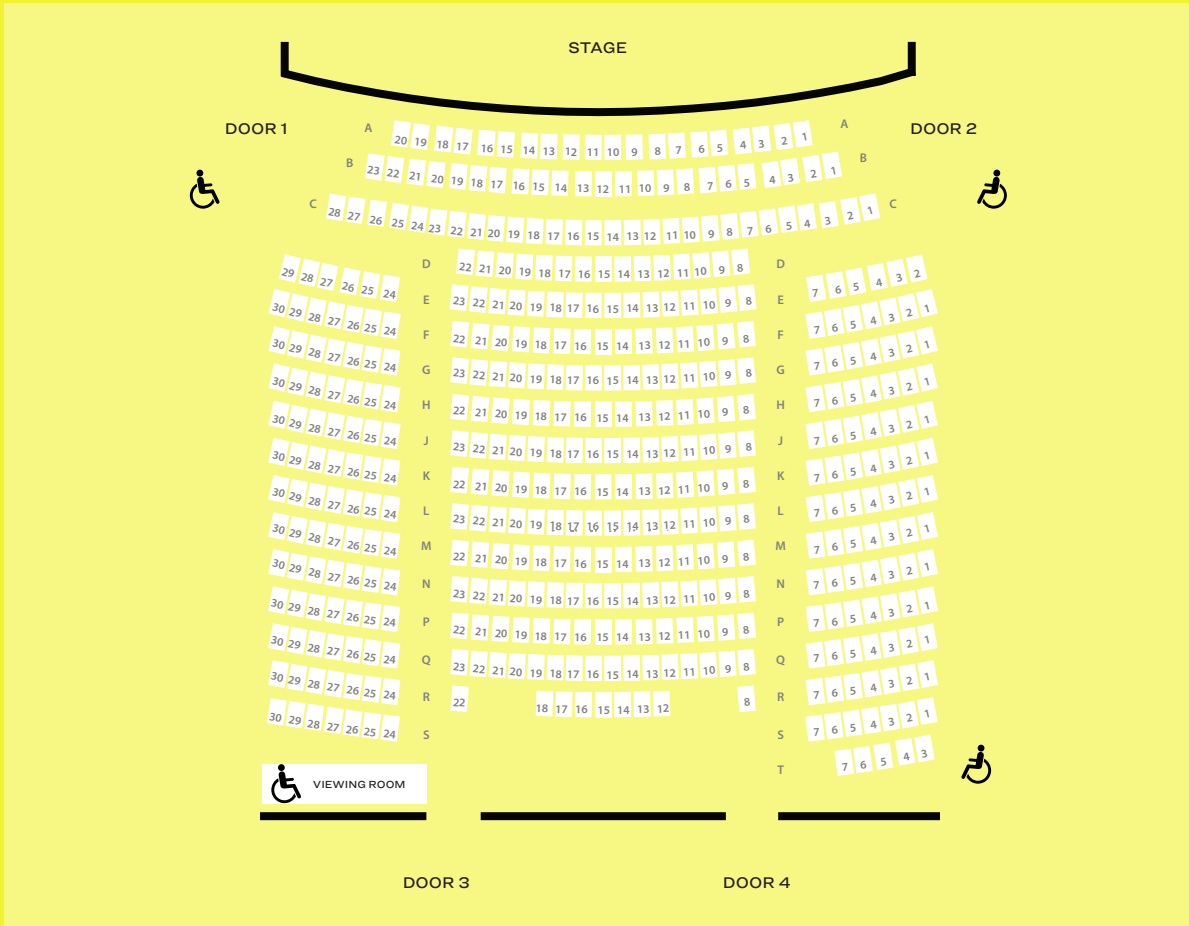
The Pavilion features a state-of-the-art stage and flytower, orchestra pit, lighting, AV and sound equipment and a full suite of dressing rooms. It has a seating capacity of 686 over two levels and is an ideal space for a wide range of performances including theatre, live music, comedy and dance.



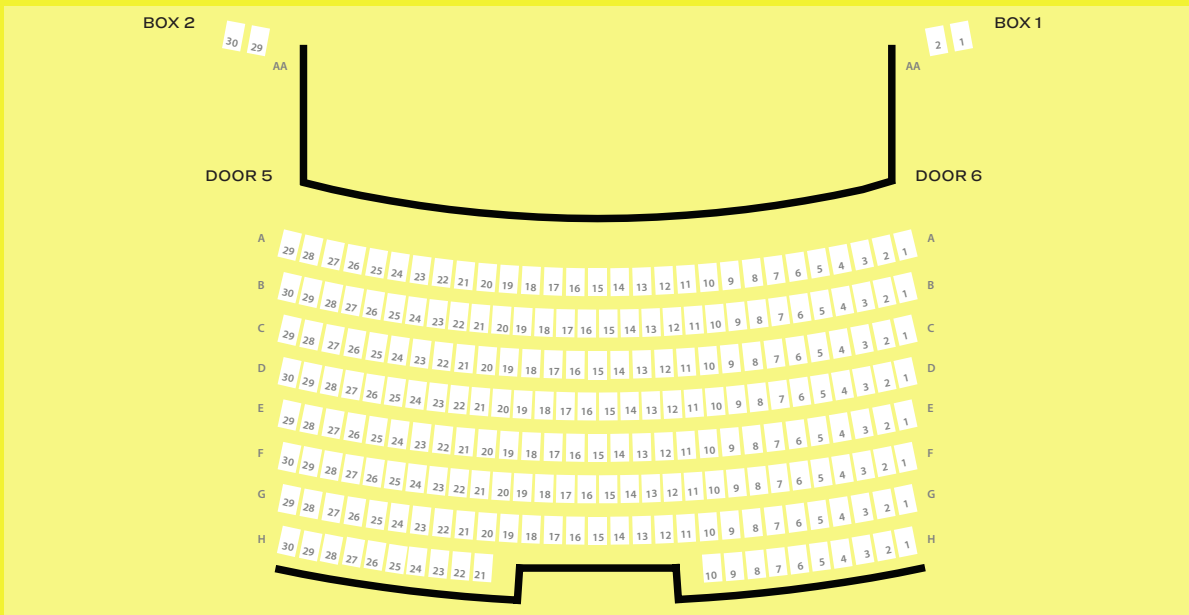
# Seating Map



## Stalls



## Dress Circle



## Venue Address:

30 Eton St Sutherland 2232

## Loading Dock 1 and 2 Address:

Merton St Sutherland 2232

## Key Features

- Auditorium with 686 fixed theatre seating in Stalls, Dress Circle, Boxes and Viewing/Cry Room
- Stage raised at the front of the Auditorium
- Proscenium Opening
- Fly Tower with overhead counterweight fly system rigging for scenery, lighting and curtains
- Orchestra Pit recess in the front stalls, with seat wagons
- Control Rooms, Sound Control Porch, Followspot Room
- Performer and Musician facilities
- Back of House Technical facilities
- Foyers on three levels
- Box Office
- Cloak Room
- Café (Future)
- Bar / Kiosk
- Function Terrace
- Patron Amenities for all abilities
- Administration Offices
- Production Office
- Green Room
- Rehearsal Studio
- Meeting Room
- Stage Door Security Entry
- Loading Docks (Theatre Operations 1 and Catering 2)

## 1. Front of House

- Foyers with access from the Street and a dedicated Drop-Off zone that can accommodate buses
- Foyers include a Box Office, Cloak Room, Bar/Kiosk, Function Terrace, Patron Amenities for all abilities and Administration Offices
- Foyers with double Sound/Light Lock entry doors to the Auditorium at each side of the Auditorium and at each entry level:
  - Stalls - Doors 1 & 2
  - Rear Stalls - Doors 3 & 4
  - Dress Circle and Boxes – Doors 5 & 6
- Foyers have two Lifts to service all levels and to meet DDA access requirements

## 2. Auditorium

- Auditorium with fixed seating on two tiered levels for a total of 686 seated and wheelchair patrons
- Viewing/Crying Room at the rear of the Stalls in the Auditorium
- Auditorium Stalls has two internal aisles to allow for maximum seating and efficient access options.
- High quality Theatre Seats with generous row spacing, comfort and excellent sightlines to the Stage
- Accessible seats and Wheelchair spaces in multiple locations:
  - Front Stalls - Doors 1 & 2
  - Rear Stalls – Door 4
  - Viewing/Cry Room Rear Stalls – Door 3
  - Dress Circle Boxes – Doors 5 & 6

- Removable seats on seat wagons forming two rows at the front Stalls that are removed to create an Orchestra Pit with removable balustrades or a Mosh Pit.
- Access Steps to provide ceremonial and production access between the Stalls and Stage PS and OP and a DDA lift on the PS side for wheelchair access to the Stage.

## 3. Staging and Rigging

- Proscenium Wall with Proscenium Opening 13m wide by 7m high
- False Proscenium (Black Velour Legs and Border) to set the Stage Opening as required for large and small scale productions when a smaller Proscenium Opening dimension is required
- Stage with a ply and Weathertex floor with resilience for Dance and Ballet and with no rake
- Stage painted low sheen Black
- Stage load capacity of 7.5kPa
- Stage Dimensions:
  - Proscenium Opening 13m x 7m
  - Setting Line – Rear of Proscenium Wall OO
  - Stage Width - Wall to Wall 23.5m
  - Stage Width - Proscenium edge to wall PS 5.5m
  - Stage Width – Proscenium edge to Counterweight Lock Rail OP 4.0m
  - Stage Depth – Forestage Edge to Rear Wall 11.4m
  - Stage Depth (Fly Tower) - Proscenium to Rear Wall 10.0m
  - Proscenium depth (thickness) 0.4m
  - Forestage Depth - Proscenium to front edge 1.0m



Green Room

# Technical & Venue Specifications

- Backstage Circulation Corridor to the rear of the Stage with double Sound/Light Lock Entry Doors to the upstage and downstage corners of the Stage PS and OP
- Stage to Auditorium access stairs and Pass Doors PS and OP
- Back of House (Fire) Stairs PS and OP linking access from the Basement, Stage, Dressing Room Levels, Auditorium, Fly Gallery, Loading Gallery, Grid and FOH Lighting Bridge levels
- Back of House Lift serving all BOH levels from Basement to Level 3
- Fly Tower over the Stage with a Single Purchase Counterweight Fly system for flying scenery, stage lighting bars and stage masking curtains (legs, borders, traverse curtains and cyclorama) and effects
- Fly Gallery at each side at 8m over the side stage and with a rear crossover corridor upstage (at Level 3) separate to the Fly Tower
- Loading Gallery for loading and unloading counterweights to OP side of the Fly Tower
- Grid floor at a height of 17.5m over the Stage over the entire area of the Fly Tower with access from technical stairs from the Fly Gallery PS
- Grid Floor of Steel Channels and load bearing capacity for temporary rigging
- Rigging Beams (6No) over the Forestage between the Proscenium and Lighting Bridge 1 for suspension of Speakers, temporary Trusses and effects
- Control Room for Lighting and Audio/Visual with uninterrupted view of the Stage and with opening windows and with discrete access from Auditorium sound locks at Rear Stalls Doors 3 & 4

- Sound Mixing Porch in the rear Stalls for live sound mixing “in the auditorium” and with discrete access from the rear stalls (at Rear Stalls Doors 3 & 4)

## Counterweight Fly System

Motorised Counterweight Line set for Main Curtain (House Curtain) (1)

Motorised Flown and motorised French Action operation

Curtain Operation:

DSPS – Motorised Flown (Up/Down) and French Action (Open/Close) with Speed Control

Control Room – Motorised French Action (Open/Close)

Single Purchase Counterweight Theatre Rigging system with line sets (27) for curtains, scenery and stage lighting bars, including:

Battens 50 x 75 RHS 17m long with 6 wire pick-ups; SWL 500kg capacity

Black False Proscenium Border (1) and Black Legs PS and OP (1)

Black Masking Legs (4)

Black Masking Borders (4)

Black Traverse Curtains/Tabs - mid stage (1), upstage (1)

White Cyclorama (1)

Projection Screen (1)

Scenery Battens for Hirer’s Scenery (5) 700kg capacity -

Stage Lighting Box Truss Bars (4) 16m long 400sq Box Truss

Cyclorama Lighting Bar (1) 15m long Theatre quip LX Bar

Panorama Line Sets (4) including:

Battens 50 x 75 RHS 9m long with 4 wire pick-ups

700kg capacity -

Panorama Bar (2) with Stage Lighting Ladder Track PS (1) and OP (1) for Stage Lighting Ladders PS (4) & OP (4)

500kg capacity -

Panorama Bar PS (1) and OP (1) for offstage Black Wool Masking Leg Curtain Tracks and Curtains PS (4) and OP (4)

## Masking

Main Curtain (House Curtain) - Velour Tabs (Spice Colour) with Lightproof backing (pair)

100% fullness 8m wide x 8m drop

False Proscenium Border – Black Velour 0% fullness 17m wide x 3m drop

False Proscenium Legs – Black Velour 0% fullness 3m wide x 8m drop

Border (4) – Black Velour 0% fullness 17m wide x 3m drop

Legs (4 pair) – Black Velour 0% fullness 3m wide x 9m drop

Tabs Mid (pair) - Black Velour 75% fullness 8m wide x 8m drop

Tabs Rear (pair) - Black Velour 75% fullness 8.5m wide x 8m drop

Drop/Smother - Black Velour 0% fullness 16.5m wide x 8m drop

Scrim Black Sharktooth - 0% fullness 16.5m wide x 9m drop

Scrim White Sharktooth - 0% fullness 16.5m wide x 9m drop

Cyclorama White Filled Cloth - 0% fullness 16.5m wide x 9m drop

Legs (4) Panorama Batten PS and OP – Black Wool 0% fullness 2.5m wide x 9m drop



# Technical & Venue Specifications



## Staging Auxiliaries

Technical Equipment Storage in the Loading Dock and Stage Basement with access to the Goods Lift

Technical Scissor Lifting Platform in the Stage Basement for setting up the Orchestra Pit and installation / removal of Seat Wagons and seating at the front Stalls

Stage Rostra system (Megadeck) with steps, handrails, rostra fascia skirts and storage trolleys (existing stock)

Stage Furniture, Chairs and Tables on storage trolleys (existing stock)

Dance Floor (Harlequin Cascade Black vinyl covering to the Stage and Forestage for dance and ballet with rolls stored on a storage trolley

Rehearsal / Adjudication / Production Desks (2) to be set up as required in the centre of the Auditorium

Stage Manager Desk (movable) located DS PS with:

Headset communications (Clearcom wired) to all technical areas (provision for future radio headsets)

Clock and Stop Clock

Dressing room and back of house paging and show relay sound

Foyer paging and bells

CCTV monitors with Stage view and Conductor view colour pictures

## Communications and Paging

Paging system for FOH and BOH with call bells, messaging and show relay (QSC i-Core)

CCTV system with Stage View Camera and Conductor View Camera and Remote Camera Control (Pan, Tilt, Zoom) at the Control Room Rack ER 2

TV Monitor system with TV Monitors in Foyers, Backstage, Offices, Green Room, Dressing Rooms - QSC BMD Smart Video-hub 40x40 Matrix Video Distribution system

Stage Switch Panel DSPS for centralised control of White and Blue worklight circuits and energy efficient Rehearsal work lights.

Motorola Two Way Radio System for Pavilion Precinct with Earpieces

## 4. Lighting

### Networking and Control

Infrastructure wiring RJ45 and DMX 5 Pin at each Technical Panel

SLO patch outlet panels all patched back to central dimming room

DMX Data Rack in Dimmer Room with:

Nexus NXSR - Stage Lighting sACN Data Network from Control Room

PathPort Octo 8 Port Gateway 5 Pin DMX (Front)

Nexus NXS1 – sACN to DMX Nodes (6)

DMX Splitters LSC MDR 4 (RJ45 Output)

ETC GIO @5 4k Console

GrandMA 3 Compact Console (on request)

### Power Distribution

Dimmer/Relay Racks 4 x LSC GEN VI - 12 x 10A

Dimmer Rack 1 x Jands FP 12 -12 x 10A

Power Distro Racks 3 x Jands Distro – 12 x 10A

Patch Lead Panels – LSC Redback 144 x 2 (288 x 10A Stage Lighting Circuits)

Rehearsal Light Outlets (4) Controlled at DS PS

Three phase 40A outlets in Dimmer Room for additional Dimmer Racks

Temporary Power Connection point for Touring Stage Lighting Systems Three Phase Powerlock 200A and 60amp outlet Stage PS

### Positions

Front of house Lighting Bridges (B1, B2, B3) and perimeter access catwalks PS and OP

Followspot Room at the rear of the Dress Circle (access from Dress Circle PS and OP)

FOH Side Lighting Box Booms PS (BB 1 and BB 2) and OP (BB 1 and BB 2) EWP Access Only

Dress Circle Front Lighting Bar

Stage Lighting Box Trusses over the Stage (LX1, LX2, LX3, LX4)

Cyclorama Lighting Bar over the Stage (LX5)

Stage Lighting Ladder Tracks on Panorama Bar and Lighting Ladders PS (L1 - L4 & OP (L1 - L4)

Stage Lighting Boom Trolleys – 2m high PS & OP (5 Booms each side)

### Stage Lighting Inventory

Quantity	Type
12	Showpro LED 131 FC Profile spotlights RGBAL 15/30 Zoom
8	Showpro LED 131 FC Profile spotlights RGBAL 25/50 Zoom
4	Showpro LED Quad 12 Par spots RGBW with Barndoors
4	Robe DL7S Movers
4	Robe DL4S Movers



Wardrobe Room

10	Robe DL4X Movers
20	Chauvet R2 Wash Light Selecon
12	Selecon Pacific 1000w Profile
14	Selecon PC 1000w
10	Chauvet LED 4 Cell Cyc Lights
6	Phillips 100w LED Worklights
	Robert Juliat 600 LED Followspot and Stand

**PA Speaker System**

L-Acoustics A-Series LCR Array system

Proscenium Wall Left and Right (flown per side):

- 2 x A15 Focus
- 2 x A15 Wide
- 3 x KS21 Subwoofer

Centre Cluster, flown over Proscenium:

- 2 x A10 Focus
- 2 x A10 Wide

Rear stalls delay to ceiling under front of Dress Circle:

- 3 x X8 Live Monitor

Front fill speakers to front of stage fascia: 5 x X8 Live Monitor

**Dynamic Microphones**

- 4 x Shure SM57
- 7 x Beyer M88 TG
- 3 x Sennheiser e904 (toms)
- 1 x Audix D6 (kick)

**Condenser Microphones**

- 2 x Rode NT5
- 6 x Rode M5
- 2 x Shure 849
- 4 x Beyer MC930
- 2 x Beyer MCE530
- 3 x Opus 88 (toms)
- 2 x Opus 87 (toms)
- 3 x Rode NTG 1 (shotgun)
- 4 x Rode NTG 2 (shotgun)
- 1 x Beyer Opus 53 (plate)

**DI Boxes**

- 2 x Radial J48 Active DI
- 4 x Radial Pro DI
- 2 x Radial Pro D2 Stereo DI
- 6 x DBX DB10

**Accessories**

- 20 x Tall Mic Stands
- 10 x Short Mic Stands
- 6 x Straight Mic Stands
- 2 x Analogue Stage Box 16x8 Way

**Audio/Visual System**

High Power Laser Projector Panasonic PT-MZ16LBE (15,000 Lumen). Centre of Dress Circle

Projection Screen framed and rigged to Fly Line set # 18 over the Stage – ST-1237529XL 8.3m wide by 4.6 high 16:9 format

Roland V-160HD Vision Switching Desk

Pavilion Lectern with Fixed Microphones

## 5. Sound/AV

### Networking, Control and Processing

Infrastructure wiring, patch outlet panels and equipment racks (MTL, TL, AV Tie lines)

Audio Power Supply for all sound equipment (“Clean” or “Green” Audio Power)

Auditorium Sound Mix position is located at the dedicated Sound Porch in the rear stalls

Allen & Heath S5000 Digital Sound Mixing Desk with 128ch Dante Card and 128ch Waves Card installed, running V2 firmware.

Allen & Heath DM64 MixRack with RackUltra FX Card and additional 128ch GigaACE Audio Interface Card - located in stage audio rack

Allen & Heath SQ5 Digital Sound Mixing Desk in portable rack for Monitors or Foyer functions

2x Allen & Heath DX168 16x8ch portable stage box expanders

1x Allen & Heath DX012 12ch output rack

1x Allen & Heath DT168 16x8ch Dante portable stage box expander

L’Acoustics P1 DSP Sound control system

**Foldback and FX Speakers**

- 12 x Renkus Heinz Wedge 12”
- 2 x Renkus Heinz Wedge 15”
- 4 x QSC K-12.2 Stage Fill for Rehearsals/Side Fill

**Radio Microphones**

- 4x Shure ULXD Handheld & Belt-Pack
- 4 x JAG IMX6A Headset Microphones

**Vocal Microphones**

- 6 x Shure SM58 (dynamic)
- 3 x Shure Beta58 (dynamic)
- 6 x Beyer Opus 81 (condenser)
- 1 x Beyer Opus 39 (dynamic)



# Technical & Venue Specifications



Video Monitors and Blackmagic 40x40 Video Hub for video routing

Blackmagic HyperDeck Studio HD Mini for high quality playback and recording

Inputs for Video Playback Devices, SDI HDMI, SDI, VGA, DVI, CAT 5,6 Cables and accessories

## Height Access

Telescopic mast personnel lift (EWP) to access scenery and lighting equipment – 11m reach

2 x Fall Arrest Harnesses with Fall Arrest Kits

Fall Arrest Systems Static Lines for Dress Circle and Lighting Bridges

## 6. Back of House Facilities

Air conditioning to auditorium, foyers, stage, dressing rooms, rehearsal studio, offices and workrooms, with isolation for stage smoke, haze and pyrotechnics effects

Air conditioning to all dressing and BOH rooms with local thermostatic control

Loading Dock with a Dock Leveller to take all size vehicles with direct level access to the Stage

All weather cover to the Loading Dock Door

Piano Store located in the Loading Dock, with local climate control to maintain the tuning of the Grand Piano

Scenery assembly and storage area between Loading Dock and Stage

Scenery and Props Workshop area in Loading Dock for repairs and maintenance of Hirers scenery and props

Technical Workshop and Equipment Storage in the Stage Basement

## Dressing Room Configuration

Dressing Rooms, each with en-suite toilets and showers, wash basin, make up benches, mirrors, lights, paging, TV monitor and costume racks:

Ground Floor

- Dressing Room 1: 3 Mirror Stations
- Dressing Room 2: 3 Mirror Stations (Accessible)

Level 1

- Dressing Room 3: 6 Mirror Stations
- Dressing Room 4: 6 Mirror Stations

Level 2

- Dressing Room 5: 6 persons (Accessible)
- Dressing Room 6: 16 persons
- Dressing Room 7: 20 persons

Green Room with artist and staff recreation area, meeting area, kitchenette, and outdoor terrace, at Level 1 with Lift and stair access

Wardrobe Work Room and separate Laundry with washing and drying facilities, at Level 2 with Lift access

Stage Door Office / Security Station at the backstage entry to the Theatre at Basement Level

Lift to meet DDA access requirements and to service all Back of House levels for personnel and equipment movement between levels – lift car size 2.5m x 1.5m

## 7. Key Contact

### Technical Operations Coordinator

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Dressing Rooms

