

**JOAN SUTHERLAND PERFORMING ARTS CENTRE
TECHNICAL SPECIFICATIONS
RICHARD BONYNGE CONCERT HALL**

Feb 2021

The Richard Bonyng Concert Hall is a 600 seat performance space set up as a traditional concert hall.

- All lighting is via a catwalk system located on 5 bridges over the performance area. These are FOH 1, FOH 2, LX 1, LX 2 and LX 3.
- There are suspended Lx bars over the stage; these are accessed by our EWP.

- The venue normally has a standard lighting rig which consists of a two colour wash, O/W wash plus specials. Any changes to this will be at the expense of the client and the rig must be returned to the standard rig after the performance at the expense of the client. Exceptions can be made to this at the Technical Coordinator's discretion.

- Lighting on stage is LED Pars RGBAWUV

- All equipment brought into the venue MUST have a current electrical Tag and Test certificate. The venue reserves the right to refuse the use of equipment not Tagged and Tested.

If the equipment is of primary importance for the performance, the venue will Tag and Test at the expense of the client. Any equipment that fails shall not be used in the venue.

- All pieces of scenery, props etc must be removed from the venue after the last performance. If not, a fee will be charged to the client and the material will be disposed of at the venue's discretion. This can be altered at the discretion of the venue management.

Stage Dimensions

Width	13m
Depth	8m
Height to grid	8m

- The stage is not a sacrificial floor, therefore, it cannot be painted nor have materials affixed by nails or screws.
- Materials cannot be affixed to any walls or surfaces by screws, toggles or any other means.
- The venue has a Prostage staging system. There are adequate rostra to provide a 13m x 3m stage extension. Various other configurations are possible. Please consult with the Technical Coordinator. Installation and removal is at the expense of the client. This requires a minimum two crew.

Lighting Specification

Selecon Pacific 7.5-19 deg zoomspot.	10
Selecon SPX 15-35 deg zoomspot.	24
Selecon 1200w Fresnel.	24
LED PAR Hex 18 (RGBAWUV).	41
Solarspot Pro 2000.	4
Chauvet Maverick MK3 Profiles	5
Chauvet Maverick MK2 Wash	5

Strand Solo Followspot	2
LSC Gen v1 Dimmers	84ch 2.4k
250 patch lines from grid and stage to dimmer room	
DMX from control room to dimmer room and various points on stage	

Lighting Board	ETC Ion XE 24
	ETC Ion 1000

FX	Smoke machine and hazer require a Smoke/ Fire warden to be on site.
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Additional	Barn doors for all fresnels
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Audio Specification

Consoles

Midas Pro 2 console
DI 251 I/O

PA

2 x Hangs of Alcons Audio LR14. Left/Right. 9 Boxes per side. 90 Degree horizontal dispersion and a hang of 3 x Alcons Audio BF362mk2 subs flown in the centre of the room.
It also has 4 x Alcons Audio VR5 spaced along the stage lip for front fill.
2 x Alcons Audio VR5, one per side, as out fill for the balcony front.

The System is powered and processed by 3 x Alcons Audio Sentinel 10 DSP controlled Amplifiers located at the bottom of the equipment rack in the prompt side tech room, allowing 12 Channels of amplification.

Microphones and Dis

Handheld vocal mics*

EV RE510 (5)
Shure SM58 (5)
AKG D3900 (1)

Instrument mics*

EV RE20 (1)
AKG C414 B-ULS (2)
AKG C460B CK2-ULS (2)
AKG C451 EB CK1 (2)
Shure SM81 (2)
Sennheiser MD421 (2)
Shure SM57 (5)
AKG D3600 (1)
AKG D3400 (1)

Gooseneck lectern mics*

EV PolarChoice PC Plus-18 (3)

DI boxes*

Radial PZ-DI switchable-impedance active DI box (2)
Radial Pro AV2 stereo passive DI box (8)

Radial J48 Active (4)
Whirlwind Director passive DI box (2)
Whirlwind Direct 2 stereo passive DI Box (1)

Mic stands*

11 standard boom stands
7 straight stands with round base
3 short stands with 2-section boom: K&M 259B
2 extra low boom stands: K&M 259/1
2 overhead boom stands: K&M 21021B
4 short table stands
2 table stands for gooseneck mics

*All mics and DIs are part of an equipment pool shared between venues. Please notify the production manager of your needs well in advance of your gig.

Wireless Microphones

Wireless mics and transmitters

EV RE510 handheld wireless mics (HTU2C-510) (4)*
EV ULM-21 miniature cardioid lavalier mic with EV BPU-2 UHF beltpack transmitter (2)*

4 Sennheiser MKE2 EW (Lapel mics)
4 Sennheiser EW 500-945 G3 (Handheld)
4 Sennheiser HSP2 (Headset)
8 Sennheiser G3 Beltpacks

* All mics are part of an equipment pool shared between venues. Please notify the production manager of your needs well in advance of your gig.

Communications

Clearcom 4ch master station
Multiple Beyer DT Single and double headphones with mic.
Multiple Clearcom beltpack stations.
Patch points located in all points throughout the auditorium, catwalk, backstage and wings.

Crew

- The RBCH is supplied with a Sound and Lighting operator.
- Additional crew will be booked through the venue.
- 48 hours notice is required to cancel any crew otherwise the full booked time will be charged.
- Rates are charged on an hourly basis.
- Minimum call time is 4 hours.

- Penalties will be incurred for shift changes and late calls if inadequate notice is given, that is, 48 hours. This is to ensure our ability to supply the client with quality technicians.

Please address technical enquiries to the Technical Coordinator.

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