

TECHNICAL

geelong  
arts  
centre

# DEAKIN'S COSTA HALL

DEAKIN UNIVERSITY WATERFRONT CAMPUS  
CORNER BROUGHAM & CUNNINGHAM STREETS  
GEELONG, VICTORIA 3220



CREATIVE VICTORIA

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# VENUE OVERVIEW

Sit back, relax, and enjoy the show in one of 1,421 seats at iconic waterfront entertainment venue, Costa Hall.

Step inside one of Geelong's renowned old woolstores, now converted into a modern state-of-the-art concert auditorium. Witness the biggest Australian and global acts from glorious rock tributes to pop sensations, classical masterpieces and magnificent musical theatre productions.

Only a ten minute stroll from Geelong Arts Centre, Deakin University's Costa Hall is a perfect venue for entertainment producers, conference organisers, local schools and community events.

# AUDITORIUM SEATING

Capacity	1,421
With Choir stalls seats (rear of stage)	1527
Stalls	859
Balcony	336
Choir Stalls	81
Side Balcony - East	113
Side Balcony - West	113

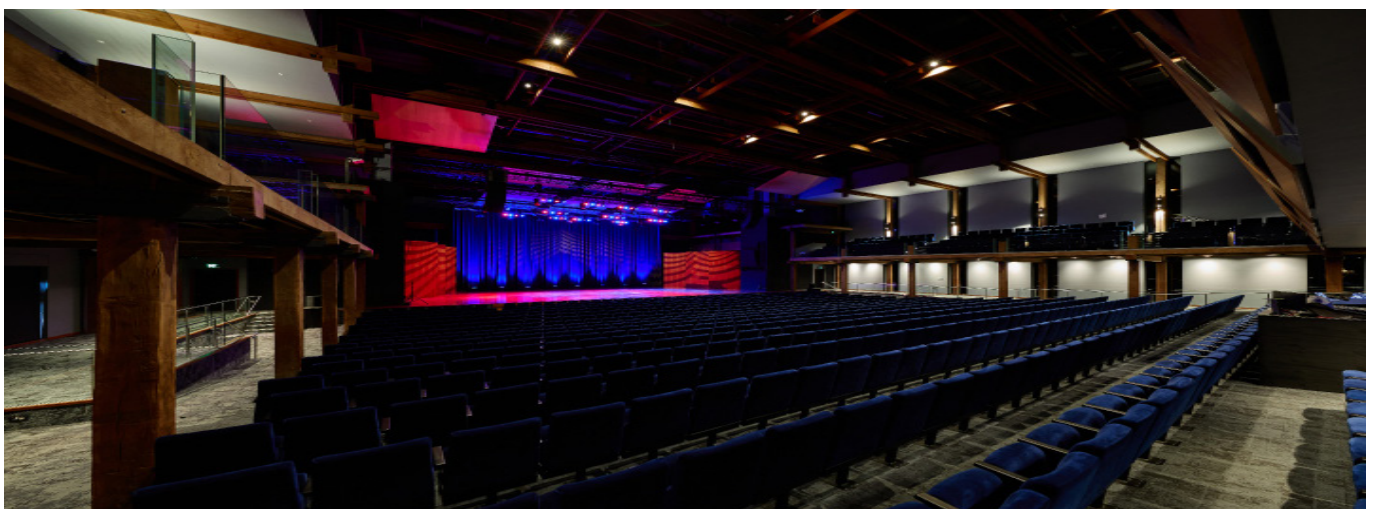


# PRODUCTION DESK POSITIONS

A fixed position to facilitate production equipment and operation is located at Rear Stalls Centre. Removal of any additional seating must be confirmed prior to tickets going on sale.

Fixed Production Desk position is located at the following location:

Rear Stalls Centre: U16-25 & T16-25



# ACCESS FOR SCENERY

A ramp leading up to the dock door is accessible from Cunningham Street, on the eastern side of

Ramp Height	Max Vehicle Height	4.4m
	Weight Limit	30 Tonne
Scenery Dock Doors (above Ramp Level)		0.35m
Scenery Dock Doors	Height	2.65m
	Width	3.6m
Scenery Dock to Stage	Height	2.65m
	Width	2.2m

# LOADING DOCK & PARKING

Geelong Arts Centre staff must be present when vehicles arrive.

The loading dock has a 1 hour loading zone for all vehicles. On street parking is available. We advise you to remove your vehicle as soon as possible after unloading as Deakin University security staff will enforce the 1 hour limit. Deakin Security will only allow 1 large vehicle at a time through the automated bollards located at the bottom of loading dock ramp.

Geelong Arts Centre must be informed of all vehicle weight and sizes a minimum of 2 weeks prior to arrival. If this information is not received, then dock/venue access will not be granted.

## REQUIRED VEHICLE INFORMATION







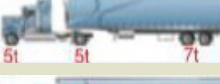
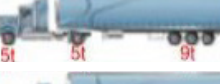


Vehicle Type (eg Toyota Hiace Van)  
Rego (if know)

## REQUIRED TRUCK INFORMATION

Length & Size of Truck (eg 45ft Pantech)  
Weight of Truck with load (eg 21T)  
Truck Type (eg Cab-Over)  
Axle Grouping Type (eg 3x Axle on Trailer, 2x Truck Rear Axles, 1x Front Steering Axle)

## LOAD LIMITS

All hirers and users must comply with the load limits provided in the below chart:

TRUCK TYPE	LOAD LIMIT PER AXLE AND MAX LOADING		
Dial Axle Rigid	5t Per Axle = 10t Total		2 Axle Rigid Truck
Tri Axle Rigid	5t Single Front, 7t Dual Rear Axle = 12t Total		3 Axle Rigid Truck
4 Axle Rigid	5t Single Front, 9t Tri Rear Axle = 14t Total		4 Axle Rigid Truck
4 Axle Twin Steer Rigid	7t Per Dual Axle = 104t Total		4 Axle Twinsteer Rigid Truck
5 Axle Twin Steer Rigid	7t Dual Front, 9t Tri Rear Axle = 16t Total		5 Axle Twinsteer Rigid Truck
Tri Axle Semitrailer	5t Per Single Axle = 15t Total		3 Axle Semitrailer
4 Axle Semitrailer	5t Per Single Front, 7t Dual Rear Axle = 17t Total		4 Axle Semitrailer
5 Axle Semitrailer	5t Per Single Front, 9t Tri Rear Axle = 19t Total		5 Axle Semitrailer
5 Axle Semitrailer	5t Cab Front, 7t Dual Drive & Rear Axle = 19t Total		5 Axle Semitrailer
6 Axle Semitrailer	5t Cab Front, 7t Dual Drive, 9t Tri Rear Axle = 21t Total		6 Axle Semitrailer

## FIRE SAFETY

Pyrotechnics and naked flame are not permitted in this venue. All scenery and staging elements must be appropriately flame-retardant.

Note: If smoke isolation is required, requests must be submitted no later than 72 hours prior to the event.

## ELECTRICAL SAFETY

All electrical equipment must display a current Test and Tag in accordance with AS/NZS 3760 in accordance with AS/NZS 3760

# RIGGING INFRASTRUCTURE

## GENERAL

Following a recent review of the load-bearing capacity of the Costa Hall trussing system, it has been identified that there are significant limitations on the live and distributed loads that may be applied. The rigging points and overhead truss system outlined below must be used strictly in accordance with the specified limits.

Management reserves the right to refuse any work practices or rigging configurations that are deemed unsafe or that exceed the load limits stated.

## RIGGING POINTS (AUDIO)

2 points across the Stage with a WLL of 600kg each.

## OVERHEAD TRUSS SYSTEM (LIGHTING & STAGING)

Truss 1: WLL of 59kg/m

Truss 3: WLL of 66kg/m

Truss 2: WLL of 61kg/m

Truss 4: WLL of 102kg/m



# DIMENSIONS

## PROSCENIUM

Nil

## STAGE DEPTH

**11.7m**

standard position

Front edge of stage to upstage sliding panels

**3.8m**

ceiling height 2.4m in this area

Crossover sliding doors to rear wall

## STAGE WIDTH

**22.0m**

Width at front edge of stage

**19.0m**

Width at downstage acoustic panels

**18.0m**

Width at centre stage acoustic panels

**17.0m**

Width at upstage acoustic panels

**16.0m**

Width at rear sliding panels

## STAGE SURFACE

Rake — Nil

Material — Tongue Oiled Timber (matte finish)

Wings — Ply-cover over flush with stage surface painted flat black Stage floor WWL 765kg/m<sup>2</sup>

All flush

## GRID HEIGHT

Variable, CLS heavy duty 500mm C-C square box truss suspended off 4 x chain hoists per truss. Maximum out dead 9.5m (see Lighting Facilities: Stage, Page 11)

## STAGE TRAP

Nil

# STAGE MACHINERY

## FLY BARS

Nil

## ORCHESTRA REFLECTION PANELS

The venue is equipped with acoustic timber baffles, located as follow:

Suspended above stage	9 in total
Suspended above stalls	2 in total – 1 x OP and 1 x Prompt
Stage-Wing Edge (Rotating)	6 in total – 3 x OP and 3 x Prompt

## ACCESS EQUIPMENT

JLG 25AM – vertical mast lift (Platform Capacity: 160kg. Max Platform Height: 7.67m)

# STAGE DRAPES

The venue has no masking in its standard configuration.

Masking can be provided by the venue, additional charges may apply.

## LEGS

Three pair, varied drop (9.5m, 9.3m, 9.1m) x 4m wide

Material: Black wool 550gsm, slight fullness

## BORDERS

Four of 1.5m drop x varied width (22m x 1, 19m x 3)

Material: Black wool 550gsm, no fullness

## TABS

Two pair, varied drop (9.1m & 8.9m) x 11.0m wide

Material: Black wool 550gsm, slight fullness

## CYCLORAMA

Nil

## SCRIMS

Nil

## HOUSE TABS & HOUSE TAB BORDER

Nil

# STAGE MANAGEMENT CONTROL DESK

- Paging and programme relay to Greenroom and Orchestra Dressing Room
- Talkback communication to all production areas
- House light control
- Stage work lights, backstage blue/white lights control

The Stage Manager's Control system may be operated from DSPS or DSOP

CCTV monitoring of stage is available at both the DSPS and DSOP Control positions. It is also available at the following locations:

- Green Room and Stage Door
- Foyer (Adjacent to Doors 1, 2 & 3)

## SOUND FACILITIES

### LOUDSPEAKER SYSTEM

This system consists of the following components:

- 1 x L-Acoustics dV-Sub - Flown L/R Arrays (per side)
- 9 x L-Acoustics dV-DOSC - Flown L/R Arrays (per side)
- 2 x Quest QM12MP - Centre Balcony Delays
- 2 x Quest QS150i - Side Balcony Fills
- 2 x Tannoy CPA-12 - In Fill
- 4 x RCF TT515A - Front Fill
- 2 x Tannoy CPA-5 - Front Fill
- 2 JBL double 18" Subwoofer

### DRIVE & CONTROL

Dolby Lake Processor

Lab Gruppen FP-10,000 Q amplifiers

### MIXING CONSOLE

Allen & Heath dLive S5000

1x Allen & Heath DM48 MixRack

### MONITORS

6x DB technologies DM12s

2x RCF NX15-SMA

4x Sennheiser EK 2000 IEM's (available at an additional cost, additional available subject to availability)

2x Sennheiser SR 2050 IEM transmitters (4 stereo or 8 mono)

## MICROPHONES

4x Shure SM58	2x Electro-Voice N/D468
4x Shure Beta 58A	2x AKG C391 B
4x Shure SM57	4x Radial J48
2x Austrian Audio CC8	4x Radial JDI
4x Rode NT5	1x Radial USB-Pro DI
1x Shure Beta 57A	2x Shure MX418 Lectern
2x Sennheiser e609	
4x Sennheiser e904	
1x Audix D6	

## WIRELESS MICROPHONES

Wireless microphones with advance notice and additional cost

1x Shure Axient Digital AD4Q (4x channels)

4x Shure Axient Digital AD2/B58A handheld

4x Sennheiser ew 500-965 G3 handheld

4x Sennheiser ew SK 500 G3 bodypack with JAG IMX6A

## PLAYBACK

Apple Mac Studio with QLab 5 Audio & Video licences

## CABLING INFRASTRUCTURE

36 channel multicore in parallel rear stalls to audio rack located stage-left wing.

Provided 3pin XLR and power packer

## AUDIO POWER

2 x 30 amp 5 pin circuits are available for audio.  
A 100 amp supply is available for wire-in upon request, additional charges apply.

# LIGHTING FACILITIES

## MAIN LIGHTING CONTROL DESK

Grand MA XT. includes 15 motorised faders, 60 playbacks, 8,192 control parameters, 6x DMX outputs and 1x DMX input, 3x etherCON connectors, 3x USB 2.0 connectors, 2x USB 3.0, Keyboard and mouse.

## DMX RETICULATION

ELC DLN3S are available to 12 areas

- 5 for front wash
- 1 on each truss
- 3 at stage level
- 1 in Dimmer room

Portable nodes available

## DIMMERS

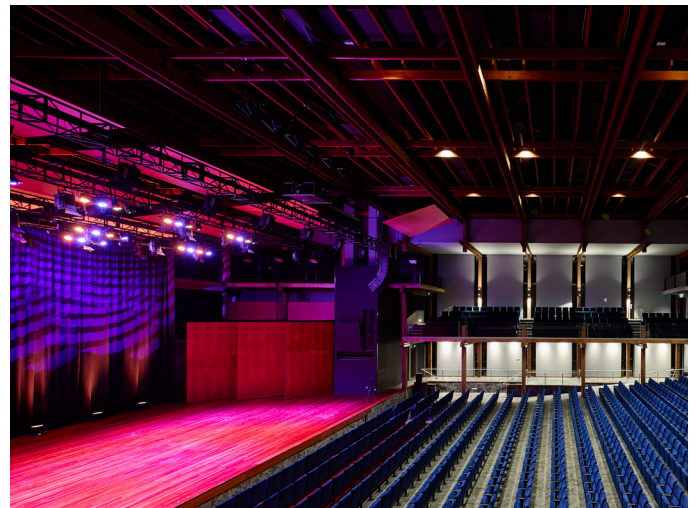
Digital Dimmers:

- 8 x LSC Gen VI 12 channel Dimmers/distro wall mounted – 2.4kw Dimmers
- 2 x LSC Gen VI 12 Channel Dimmer/distro portable for stage
- 2 x LSC 8-Way Data Splitters

TOTAL AVAILABLE DIGITAL DIMMERS: 120

## FRONT WASH LIGHTING POSITIONS

- 5x positions front of house accessible via catwalks
- 2x positions equipped with a Jands JLX6 lighting bar & motorised pile wind hoist (H250 P-V) capable of lowering to auditorium level for loading



## STAGE

Onstage there are four flown lighting trusses.

Each truss is a chain motor-driven CLS heavy duty 500mm C-C square box truss.

Truss 1: 21.0m wide – WWL 59kg/m	30 x 10amp Sub Patch Circuits (#s 1-30)
Truss 2: 18.0m wide – WWL 61kg/m	30 x 10amp Sub Patch Circuits (#s 31-60)
Truss 3: 17.0m wide – WWL 66kg/m	30 x 10amp Sub Patch Circuits (#s 61-90)
Truss 4: 15.0m wide – WWL 102kg/m	30 x 10amp Sub Patch Circuits (#s 91-120)

Truss 1 is 0.8m from front edge of stage to the upstage truss cord

Truss 2 is 4.1m from front edge of stage to the upstage truss cord

Truss 3 is 8.4m from front edge of stage to the upstage truss cord

Truss 4 is 11.3m from front edge of stage to the upstage truss cord

Each truss is fitted with an ELC DMX Node (with 2 universes) and 1 x additional CAT5e patch point.

## LUMINAIRE ALLOCATION

48x ETC ColourSource PAR (90W LED)

30x Robert Juliat 360 Fresnel (360W LED)

2x Robert Juliat OZ Followspot (600W LED)

18x ETC Source Four Series 2 Lustr (167W LED) with 10° lens'

6x ETC Lustr+ Desire 22

## MOVING LIGHTS

Subject to availability, at additional cost

8x Robe Robin DL4X profiles

8x Robe Robin 600 washes

## HAZE

Available at additional cost

1x Swefog Ultimate 3000

## LIGHTING POWER

Catwalk	1 x 40 amp 5 pin
Stage	2 x 40 amp 5 pin
Dimmer Room	14 x 40 amp 5 pin
Foyer	1 x 40 amp 5 pin
Stage Wire in only, additional charges apply	1 x 160 amp

Numerous 10, 15 and 20 amp circuits throughout building

Refer to the standard lighting layout for additional information

# ANCILLIARY PATCHING

Category 6 data cabling is available at the following locations, with the main patch bay located in the Dimmer Room:

LOCATION	OUTLET NUMBERS	NUMBER OF OUTLETS
Truss 1	TR 1-2	2
Truss 2	TR 3-4	2
Truss 3	TR 5-6	2
Truss 4	TR7-8	2
Prompt Side Equipment Rack	9-12	4

# PROJECTION FACILITIES

A projection system is available at additional cost with the following equipment:

- 1 x Barco UDX-4K32 Projector
- 1 x TLD+ 1.5-2.0:1 Lens
- 1 x 7m x 4.5m fast-fold screen - Rigged from truss 4

## Vision Playback Equipment

- 1 x Roland XS-83H Vision Mixer.
- 1 x QLAB Vision Playback



# DRESSING ROOMS & FACILITIES

The Dressing Rooms are located on two levels. The Female & Male Dressing Rooms are located off the prompt corner at stage level, as is the Green Room.

Dressing Rooms 1-4 are located above stage level and are accessed via a stairwell located in the upstage opposite prompt corner.

## DRESSING ROOM – NUMBERS AND FACILITIES

ROOM NO.	BASINS	W.C's	SHOWERS	MAKE-UP MIRRORS
Female	2 + Disabled	3 + Disabled	1	3
Male	2 + Disabled	3 + Disabled	1	2
1	1	1	1	1
2	1	1	1	1
3	1	1	1	1
4	1	1	1	1

The venue has no onsite washing/drying facilities.

Also available:

- 1 x Ironing Boards
- 1 x Steam Iron

# ADDITIONAL EQUIPMENT

Geelong Arts Centre can supply a wide range of additional equipment that is not fitted as standard (subject to additional charges and availability). Please contact the production operations team for further information.

# OUTSIDE BROADCAST FACILITIES

Sealed ports for cable runs onstage to OB van at dock. Please discuss your requirements with the production operations team

# CONTACTS

Please refer all queries to [production@geelongartscentre.org.au](mailto:production@geelongartscentre.org.au)



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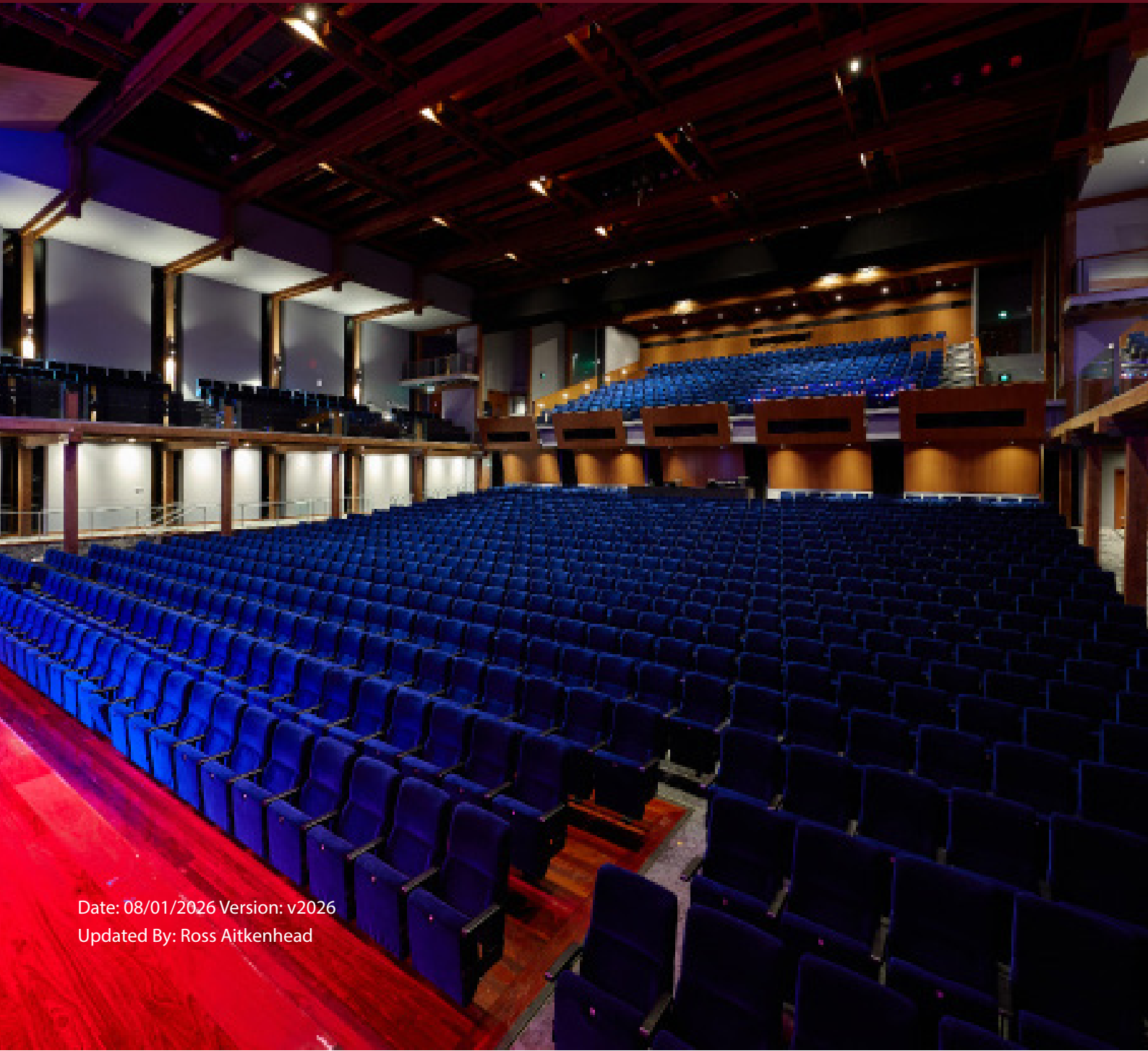
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