

geelong  
arts  
centre

*TECHNICAL SPECIFICATION*

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# Deakin's Costa Hall

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**VENUE ADDRESS:**

Deakin University Waterfront Campus  
Corner Brougham & Cunningham Streets  
Geelong, Victoria 3220



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## **VENUE OVERVIEW**

*In a remarkable feat of Architecture and Engineering, Deakin University has converted Geelong's old wool stores into a modern inner city campus site, which also contains a state of the art 1,500 seat concert auditorium. This grand space now provides Geelong with a venue able to hold large-scale concerts, conference meetings and lectures.*

*Only a ten minute stroll from GAC, Deakin's Costa Hall is a perfect venue for concert style entertainment producers and conference organisers.*

## **AUDITORIUM SEATING**

Capacity	1446
<i>With Choir stalls seats (rear of stage)</i>	<i>1527</i>
Stalls	884
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 off Cunningham Street, on the eastern side of the building.

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 AND PARKING**

Geelong Arts Centre staff must be present when the truck arrives.

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 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	
Dual Axle Rigid	5t per Axle = <b>10t Total</b>	 2 Axle Rigid Truck
Tri Axle Rigid	5t Single Front, 7t Dual Rear Axle = <b>12t Total</b>	 3 Axle Rigid Truck
4 Axle Rigid	5t Single Front, 9t Tri Rear Axle = <b>14t Total</b>	 4 Axle Rigid Truck
4 Axle Twin Steer Rigid	7t Per Dual Axle = <b>14t Total</b>	 4 Axle Twinsteer Rigid Truck
5 Axle Twin Steer Rigid	7t Dual Front, 9t Tri Rear Axle = <b>16t Total</b>	 5 Axle Twinsteer Rigid Truck
Tri Axle Semitrailer	5t Per single Axle = <b>15t Total</b>	 3 Axle Semitrailer
4 Axle Semitrailer	5t Per Single Front , 7t Dual rear Axle = <b>17t Total</b>	 4 Axle Semitrailer
5 Axle Semitrailer	5t Per Single Front, 9t Tri Rear Axle = <b>19t Total</b>	 5 Axle Semitrailer
5 Axle Semi trailer	5t Cab Front, 7t Dual Drive and rear Axle = <b>19t Total</b>	 5 Axle Semitrailer
6 Axle Semitrailer	5t Cab Front, 7t Dual Drive, 9t Tri Rear Axle = <b>21t Total</b>	 6 Axle Semitrailer

## FIRE SAFETY

Neither Pyrotechnics nor the use of Naked Flame are permitted in this venue. Additionally, all scenery and staging elements must be adequately flame proofed.

*Note: In the event Smoke Isolation is required, request must be submitted no later than 72hrs prior to the event*

## ELECTRICAL SAFETY

All electrical equipment must display a current Test Tag.

## **RIGGING INFRASTRUCTURE**

### **GENERAL**

Following a recent review of Load Bearing capacity of the Costa Hall Trussing system, it is recognised that there are significant limitations on the loads (both live & distributed) that may be imposed on the truss. The information provided below regarding Rigging Points & the Overhead Truss System must be strictly adhered to. Management reserves the right to refuse any unsafe work practises regarding the load/s stipulated below.

### **RIGGING POINTS (AUDIO)**

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

### **OVERHEAD TRUSS SYSTEM (LIGHTING & STAGING)**

LX Trusses 1-3:	SWL of 45Kg/m
LX Truss 4:	SWL of 75Kg/m

## **DIMENSIONS**

### **PROSCENIUM**

Nil

### **STAGE DEPTH**

Front edge of stage to upstage sliding panels	11.7m - standard position
Front edge of forestage to sliding panels	15.2m - a loss of 3 rows of seating
Crossover sliding doors to rear wall	3.8m - ceiling height 2.4m in this area

### **STAGE WIDTH**

Width at front edge of stage	22.0m
Width at downstage acoustic panels	19.0m
Width at centre stage acoustic panels	18.0m
Width at upstage acoustic panels	17.0m
Width at rear sliding panels	16.0m

*Note: Acoustic panels pivot on a central axis*

### **STAGE SURFACE**

Rake - Nil

Material – Tongue Oiled Timber (matt finish)

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

All flush

### **STAGE HEIGHT**

Variable, CLS heavy duty 500mm C-C square box truss suspended off chain hoists. Maximum out dead 9.5m (see Lighting Facilities: Stage, page 8)

### **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  
Panels above stage are winch adjustable to various heights and angle

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 20DVL – self-propelled vertical mast lift (Total Weight: 955kg. Max Platform Height: 5.97m)

## **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**

One white 8.8m drop x 15.0m wide Material: White Filled Shark Tooth

### **SCRIMS**

Available on request.

### **HOUSE TABS & HOUSE TAB BORDER**

Nil

## **STAGE MANAGEMENT CONTROL DESK**

Paging and programme relay to all backstage areas  
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 Stage Door  
Foyer (Adjacent to Doors 1, 2 & 3)

## **SOUND FACILITIES**

### **LOUDSPEAKER SYSTEM**

A suitable loudspeaker system is available for hire at additional cost. Bookings can be made through the Technical Operations Department.

This system consists of the following components:

- 12 x Fulcrum Acoustic FL283 dual 8" mid-high line array elements - 6 per side
- 4 x Fulcrum Acoustic FLS115 single 15" low frequency elements - 2 per side flown above mid-high
- 6 x Fulcrum Acoustic RX599 5" Coaxial front fill
- 2 x Fulcrum Acoustic CX896 8" Coaxial Balcony fill speakers

In addition to the main system, the following is available for hire at additional cost:

- 2 x Fulcrum Acoustic TS221 dual 21" sub speakers - bought in at additional cost to standard system

### **DRIVE AND CONTROL**

Amplification is provided by a Powersoft X8 Amplifier, with inputs available in the following configuration:

- Inputs 1&2: Left and right full range and balcony speakers
- Inputs 3&4: Left and right line array low frequency only
- Inputs 5&6: Left and right line array mid high only
- Input 7: Front fills only
- Input 8: Balcony fills only

The Amplifier is located at the patch bay in the PS wing. There is an additional Fulcrum Acoustic RX599 Speaker located here with a load attenuation box, to provide an audio feed for production crew working in this area.

### **MIXING CONSOLE**

Yamaha M7CL-48

Allen & Heath SQ5 & DX168 Stage Boxes (*by request - subject to availability*).

### **PLAYBACK**

MacBook Pro with QLab 4 Audio & Video Licences, at additional cost (*subject to availability*)

Denon DN-500BD MKII Media Player, at additional cost (*subject to availability*)

### **OTHER EQUIPMENT**

A variety of additional equipment (microphones, wireless microphones, DIs, stands, foldback speakers etc) is available for hire from Geelong Arts Centre. Please discuss your requirements with the Technical Operations Department.

### **CABLING INFRASTRUCTURE**

36 channel multicore, rear stalls to audio rack stage prompt

Each channel can be input or output

XLR connectors are used throughout

There is a single Ethernet run available from the FOH Mix Position and the Orchestra Pit, plus a run from the Orchestra Pit to the PS Patch Bay area.

BNC runs are also available from the FOH Mix Position to the Orchestra Pit and from the Orchestra Pit to the PS Patch Bay area.

### **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**

ETC GIO (2 x 5 pin DMX Outputs, System Count: 4096)

c/w: 1 x external 2 x 10 Universal Fader Wing, 1 x external VGA monitors (w. display port to VGA adaptors), 1 x external Touch-Screen monitor, keyboard and mouse.

### **DMX RETICULATION**

Two (2) runs of DMX are available to 12 areas further detailed on the lighting plan

Run C – Control

Run D – Dimmers

### **DIMMERS**

Digital dimmers:

10 x LSC Gen VI 12 channel dimmers/distro – 2.4kw dimmers

2 x LSC 8-Way Data Splitters DMX 512

**TOTAL AVAILABLE DIGITAL DIMMERS: 120**

### **FRONT OF HOUSE LIGHTING POSITIONS**

5x positions front of house accessible via catwalks

4 of the positions are 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 4 x flown lighting positions.

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

Truss 1: 21.0m wide – SWL 45kg/m	30 x 10amp Sub Patch Circuits (#'s 1-30)
Truss 2: 18.0m wide – SWL 45kg/m	30 x 10amp Sub Patch Circuits (#'s 31-60)
Truss 3: 17.0m wide – SWL 45kg/m	30 x 10amp Sub Patch Circuits (#'s 61-90)
Truss 4: 15.0m wide – SWL 75kg/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 LSC DMX Isoport (with 2 universes) and 2 x CAT5 patch points.

### **LUMINAIRE ALLOCATION**

48x ETC ColourSource PAR (90W LED)

30x Robert Juliat 360 Fresnel (360W LED)

2x Robert Juliat OZ Followspot (600W LED)

18 x ETC Source Four Series 2 Lustr (167W LED)

Additional Lighting Fixtures (include moving profile/wash units) are available on request – additional charges apply. Refer to the standard lighting layout for position and dimmer allocation.

### **LIGHTING POWER**

Catwalk	2 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	1 x 160 amp

Numerous 10, 15 and 20 amp circuits throughout building

Refer to the standard lighting layout for additional information



## **ANCILIARY 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

BNC Tie Lines are available at the following locations:

LOCATION	OUTLET NUMBERS	NUMBER OF OUTLETS
Prompt Side Equipment Rack		1
OP Patch Bay		1
Green Room		1
Stage Door		1
Foyer		4
FOH Manager's Office		1

*Note: All tie lines occupied by venue CCTV in standard configuration*

## **PROJECTION FACILITIES**

A projection system suitable for the Venue is available for hire at additional cost. Please discuss your requirements with the Technical Operations Department.

## **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 Technical Department for further information.

## **OUTSIDE BROADCAST FACILITIES**

Sealed ports for cable runs onstage to OB van at dock. Please discuss your requirements with the Technical Operations Department.

## **VENUE IMAGES**

