

TECHNICAL SPECIFICATION

geelong
arts
centre

DEAKIN'S COSTA HALL

VENUE ADDRESS:

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 and pop sensations, to 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 |
| <i>With Choir stalls seats (rear of stage)</i> | <i>1527</i> |
| 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 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 & 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)




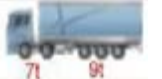



Weight of Truck with load (eg 21T)

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 = 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

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.

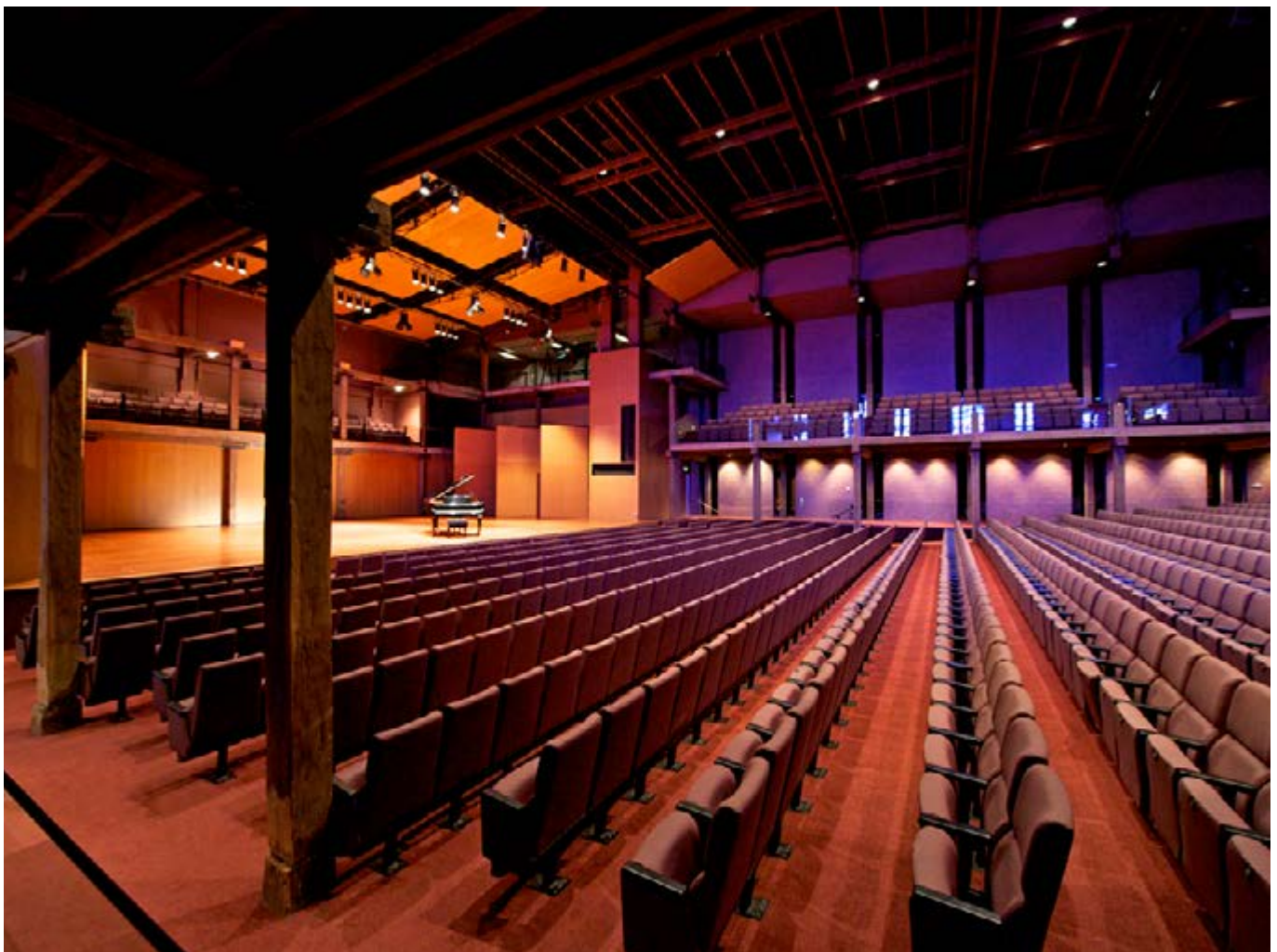
OVERHEAD TRUSS SYSTEM (LIGHTING & STAGING)

Truss 1: SWL of 59kg/m

Truss 3: SWL of 66kg/m

Truss 2: SWL of 61kg/m

Truss 4: SWL of 102kg/m



DIMENSIONS

PROSCENIUM

Nil

STAGE DEPTH

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

OVERHEAD TRUSS SYSTEM (LIGHTING & STAGING)

11.7m

standard position

Front edge of stage to upstage
sliding panels

15.2m

a loss of 3 rows of seating

Front edge of forestage to
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 SWL 765kg/m²

All flush

STAGE 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 Panels above stage are winch adjustable to various heights and angle | 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 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 & CONTROL

Amplification is provided by 2 x Linea Research 44 Series M20 Amplifiers, with various speaker configurations. General amplifier inputs include:

- Inputs 1 & 2: Left and right main mid-high array elements
- Inputs 3 & 4: Left and right low frequency elements flown above mid-high elements
- Input 5: Front fills
- Input 6: Balcony fills

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

Allen & Heath dLive S5000 Control Surface

Allen & Heath DM48 MixRack

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

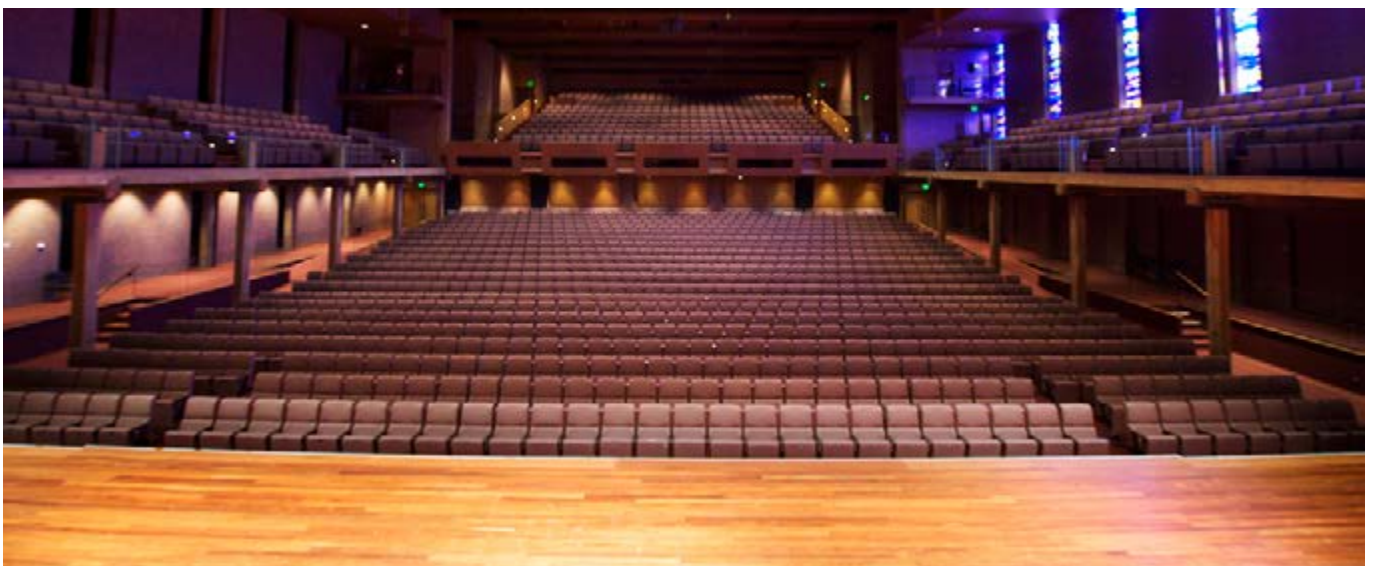
There is a single Ethernet run available from the FOH Mix Position and the Orchestra Pit, plus a run from the Orchestra Pit to the PS Patch Bay area.

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)

- 1 x external Fader Wing with 20 x faders
- 2 x external touch screens
- 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

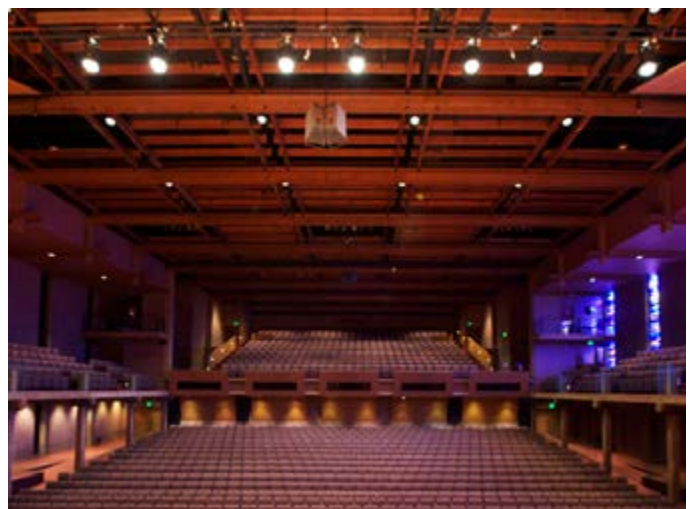
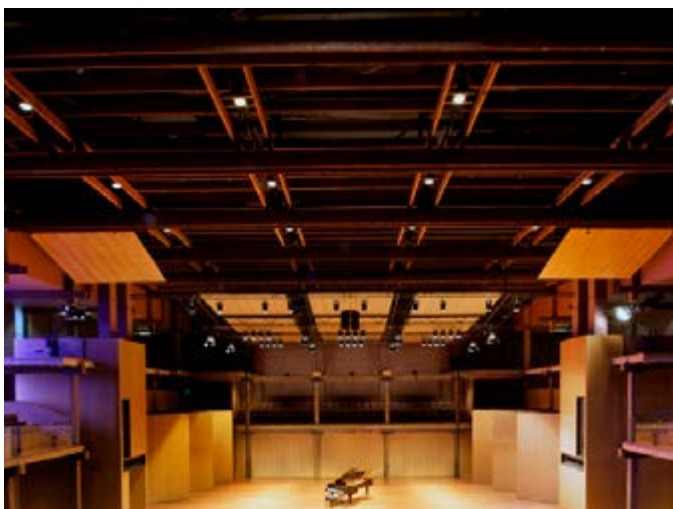
Digital Dimmers:

- 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 4x flown lighting trusses.

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

| | |
|-----------------------------------|---|
| Truss 1: 21.0m wide – SWL 59kg/m | 30 x 10amp Sub Patch Circuits (#s 1-30) |
| Truss 2: 18.0m wide – SWL 61kg/m | 30 x 10amp Sub Patch Circuits (#s 31-60) |
| Truss 3: 17.0m wide – SWL 66kg/m | 30 x 10amp Sub Patch Circuits (#s 61-90) |
| Truss 4: 15.0m wide – SWL 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 LSC DMX Isoport (with 2 universes) and 2 x CAT5e patch points.

LUMINAIRE ALLOCATION

- 48 x ETC ColourSource PAR (90W LED)
- 30 x Robert Juliat 360 Fresnel (360W LED)
- 2 x 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 | 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 <i>Wire in only, additional charges apply</i> | 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 |

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 is available with the following equipment:

- 1 x Barco UDX-4K32 Projector
- 1 x 7m x 4.5m fast-fold screen *Rigged from truss 4*

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.

CONTACTS

Please refer all Technical queries to technical@geelongartscentre.org.au

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