

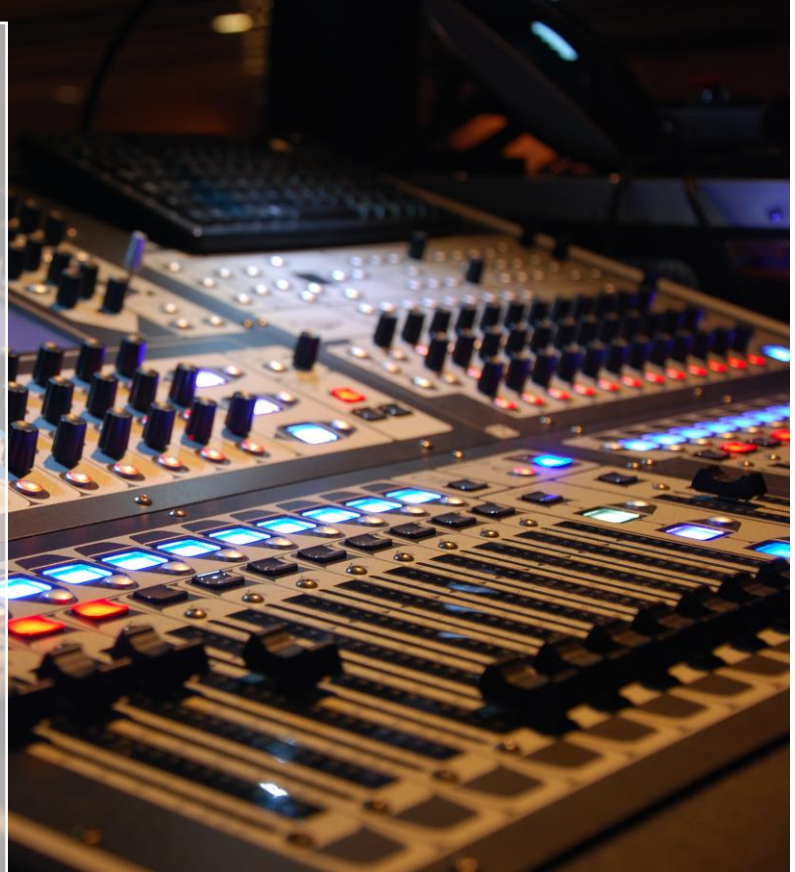


# KARRALYKA

Technical Specifications

Karralyka Theatre

2022



**Theatre Technical Coordinator  
Jake Sheppard**

E: [jake.sheppard@maroondah.vic.gov.au](mailto:jake.sheppard@maroondah.vic.gov.au)

**Assistant Manager / Theatre Coordinator  
Jackie Paul**

E: [jackie.paul@maroondah.vic.gov.au](mailto:jackie.paul@maroondah.vic.gov.au)

**P: 9870 2888**



**KARRALYKA**

MINES ROAD  
RINGWOOD EAST  
VICTORIA  
AUSTRALIA 3135

Tel 03 9870 2888  
Fax 03 9870 2283  
[karralyka@maroondah.vic.gov.au](mailto:karralyka@maroondah.vic.gov.au)

[karralyka.com.au](http://karralyka.com.au)

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## Stage & Dimensions

### Brief Stage Description:

Unraked stage with a proscenium arch and flying facilities. Hardwood floor covered with Masonite sheets. Downstage edge of stage is curved to match seating. Screwing into the stage surface is subject to authorisation. Larger holes must be authorised prior to booking in consultation with technical coordinator. Stage crossover is via under-stage dressing room area.

\*price on application\*

**Stage Distributed Load Limit:** 500Kg/m<sup>2</sup>

**Stage Point Load Limit:** N/A

**Stage Rake:** NO

#### **Stage Dimensions:**

**Proscenium Width:** 11.02m **Proscenium Height:** 6.18m with a false proscenium sitting at 4.69m

**Setting Line:** 150mm Upstage of Proscenium, to allow for fire curtain track.

#### **Stage Measurements: (SL: Setting Line, CL: Centre Line)**

SL to DS edge of apron: 3.36m

SL to US edge of orchestra pit: 1.46m

SL to rear wall: 8.65m

CL to OP wall (or obstruction): 11.47m

CL to PS wall (or obstruction): 11.57m

**Overhead Obstructions:** Fly Galleries located on PS & OP, clearance height 6.36m

*See: Attachment A - Theatre Stage Plan*

## **Auditorium**

2.95m rise over 12 rows with one aisle only on each side. Space to accommodate 3 wheelchairs (seats K42-46 are removed to achieve this)

**Maximum Seating Capacity:** 428

*See Attachment B - Auditorium Seating Plan*

## **Orchestra Pit**

The orchestra pit is covered by 12 structural staging sections; the standard venue configuration has the pit covered. These sections can be removed in varying configurations as desired. 2 Karralyka technical staff are required for a 2-hour call to open/close the orchestra pit, this is at the cost of the hirer. This task can at times be completed before arrival by arrangement. If completed during venue booking times, enough space must be kept clear for staff to safely complete the job.

Access to the orchestra pit is via 2 doors PS&OP into the BOH area. Access can also be gained from the auditorium.

**Stage Level @ 950mm above auditorium**

**Orchestra Pit Floor @ 2350mm below stage level**

**Orchestra Pit Dimensions:** 9m x 2.9m (DS wall tapers either side of centre)

**Maximum Capacity:** 15-20 persons

\*Depending on the configuration of the staging sections covering the pit. Structural beams will remain in place throughout the orchestra pit. Please see Technical Coordinator for more information.

\*price on application\*

## Flying Facilities

The theatre has a raked fly tower. Varying in height from 9m (DS) to 11m (US) There are 18 Jands motorised pile winding winch bars. 12 of which are available for the hanging of scenery, with 5 fixed as electrics bars. The system is only capable of powering 2 lines at any one time. Typical travel time is 20cm per second. Electronic IN deads can be recorded into the system. The system is operated from PS Stage near the SM console. The supervising technician will always oversee all flying of scenery and operate the system.

Venue masking is hung from 8 Jands manual pile winding winches located on the PS gallery. Standard masking configuration includes: Soft Proscenium, 4 sets of legs & borders, 2 sets of travellers and a cyclorama.

\*Electrics Bars may not be relocated. Scenery bars may be swung by arrangement.

**Total Number of Lines:** 24

**Panorama Lines:** 0

**Batten Drift:** *See Attachment C – Theatre Hanging Plot*

**Batten Type:** 50mm O/D Alloy Pipe

**Batten Length:** 14.5m

**Batten Extensions:** NO

**Batten Pickups:** 4

**Fly Line Safe Working Load (SWL)**

Scenery Bars: 200kg Half Speed/120kg Full Speed

Electrics Bars: 300kg Half Speed ONLY

\*price on application\*

## Drapery

**House Curtain:** Royal Blue Velvet 2 x 6.6m x 6.6m @ 80% Fullness

\*Please note that the house curtain is motorised (French Action). Travel time is approximately 20 seconds. Control is via the SM console and Control Room.

**False Proscenium:** 1 Flat Border 14.6m x 3.05m & 2 Flat Legs 1.9m x 7.7m

**Legs:** (All 50% Full) 8 @ 2.5m x 7m

**Borders:** (All 50% Full) 4 @ 14m x 2.5m

**Tabs:** (All 50% Full) 2 @ 7.9m x 4.85m, 2 @ 7.3m x 6.52m

**Cyclorama:** White, 14.2m x 9m

\*All black stage masking is manufactured to A/NZS 1530 Parts 2 & 3. They are made from inherently fire retardant wool.

## Staging Units

None

## Access Equipment

**Elevated Work Platform:** JLG 20DVL fully motorised vertical lift

**Maximum Platform Height:** 5.94m

**EWP Operating Restrictions:** Operators must be licensed or deemed competent by the Supervising Technician.

**Ladders:**

1 x 1.8m Fiberglass double sided step ladder

1 x 2.4m Fiberglass double sided step ladder

1 x 0.9m Fiberglass double sided step ladder

## Loading Dock

Truck Access is via a driveway located on Wilson Street. Vehicles must reverse in as there is not turning circle available. Long vehicles are advised to approach by travelling Wilson Street in the uphill direction and then making a reverse right-hand turn into the dock.

Loading Dock Height: 1.04m

Door Dimensions: 3400mm (H) x 2700mm (W)

## Lighting

### Lighting Positions

#### Stage Electrics Bars

5 on-stage electrics bars @ 14000mm long. 48mm O/D pipe

24 x Dim/GPO circuits per bar (evenly distributed).

2 x Cat6 Ethercon patches per bar. One each end, patchable in the dimmer room.

\*price on application\*

\*All bars are fixed in their position and may not be swung

### FOH Bridge

16.3m long, curved to the front of the stage. 48mm O/D pipe

SL to FOH Bridge: 8800mm @ 55.4 degrees

30 x Dim/GPO circuits per bar (evenly distributed).

2 x Cat6 Ethercon patches. One either side of centre, patchable in the dimmer room.

Access via FOH, full catwalk behind rigging position with normal standing room.

### FOH Perches (PS&OP)

2500mm of vertically mounted 48mm O/D pipe.

SL to FOH Perches: 12500mm @ 22 degrees

6 x Dim/GPO circuits per bar (evenly distributed).

2 x Cat6 Ethercon patches at each position, patchable in the dimmer room.

Access via FOH bridge catwalk, sloped ladder access into perch structure.

### Sidelight Ladders (PS&OP)

3 x box steel ladder frames per side, housing 2 x Pat23's and 1 LED Par each.

Ladders track US/DS as required.

**\*At this stage, the ladder design does not permit the changing of fixtures.**

2 x Dim/GPO circuits per ladder frame, plus 2 extra on each side, totaling 8 circuits per side.

Located on the PS&OP Galleries

2 x Cat6 Ethercon patches located on each gallery, patchable in the dimmer room.

Access via vertical lift only.

### Other LX Patch Locations

#### PS & OP Floor Traps

2 x Dim/GPO circuits per trap x 3 traps per side. Additional GPO circuits also available.

#### USPS & USOP Patch Boxes

Located on the US wall either side of stage.

6 x Dim/GPO circuits per side.

2 x Cat6 Ethercon patches per side, patchable in the dimmer room.

#### Orchestra Pit

4 x Dim/GPO circuits on the US wall of the orchestra pit

\*price on application\*



## Dimming

Dimming for the theatre is centralised in the dimmer room, located next to the control room. All lighting patches run direct to a dimmer. No sub patch is required.

**Total Number of Dimmers:** 216

**Dimmer Type:** State Automation Solution cool Wallmount (2.4k capacity)

\*Each dimmer channel may be set to bypass mode, providing 240V hot power direct from the supply.

**Other Dimmers Available:** 2 x Jands GP12 available with 32A plugs for portable use.

## Control

**Lighting Desk:** ETC Gio (2048 parameters)

**Control Channels:** 10,000

**Signal Output:** DMX512, Ethernet (Artnet, Net2/3, sACN)

**Signal Distribution:** Pathway Pathport DMX over Ethernet System

- Cat6 data patches located around the venue.
- Mix of fixed/portable nodes located as required.
- Simultaneous process of up to 128 universes of Artnet, Net2/3, Shownet or sACN.
- Nodes allow any universe to be selected at any location.

**Remote:** Yes, on iPad app via Wi-Fi

## House Lights

**Stand-Alone Control:** Available from the SMD or control room. 100%, 50%, 0% presets. Fixed Fade Time.

**DMX Control:** Not currently available.

\*price on application\*



## Lighting Fixtures

### Profiles

Make	Model	Beam Angle	Accessories	Wattage	Total
ETC	Source Four	15-30	4 X Gobo Holder, 4 X Iris	750w	4
ETC	Source Four	25-50		750w	12
Selecon	Acclaim	24-44		650w	14
Selecon	Acclaim	18-34	9 X M Gobo Holders	650w	11
Selecon	ZS650	24-40		650w	3*
Selecon	Arena Zoomspot	20-37		1000w	2*
Strand	Pattern 813	20-35		650w	6*

### Fresnel's

Make	Model	Accessories	Wattage	Total
Selecon	8 inch	(26) Barn-doors	1200w	27
Strand Harmony	8 inch	(8) Barn-doors	1000w	8
Strand	Pattern 243		2000w	4*
Coemar Passo	2000	(3) Barn-doors	2000w	3*
Strand	Pattern 803	(3) H-stands	650w	3*

### Wash

Make	Model	Accessories	Wattage	Total
Spotlight	Domino 4-Way Cyc	4 X 1000W cells in horizontal configuration	1000w	5*
CCT	Starlite Single Cyc		1000w	8*

### Followspots

Make	Model	Beam Angle	Accessories	Wattage	Total
Selecon	Performer	5.5 – 9deg	6 colour magazine	1200w	2

### LED

Make	Model	Details/Accessories	Wattage	Total
Clay Paky	Axcor 300 Spot	Moving Fixture *POA*		6
	UV LED Par	DMX Fade & Strobe Control		2
TourPro	LED Par	LED Par RGBAW		24
SilverStar	LED MyCyc	Double Dual Cell RGBAW Wash *POA*		10
Pro-Shop	LED Bar	Local/DMX RGB Control		8* \$
ShowPro	LED Bar	Local/DMX LED RGBAWUV Bar *POA*		15* \$

### Other Fixtures

Make	Model	Details/Accessories	Wattage	Total
	UV LED Par	DMX Fade & Strobe Control		2

\*price on application\*

	Strobe	DMX Speed & Intensity Control	1500w	1
	Mirror Ball	20 inch with motor control		1
Martin	K1 Hazer	Local/DMX Control *POA*		1
Robe	1500FT Smoke Machine	Local/DMX Control *POA*		1

\* Denotes fixtures in storage, please consult technical coordinator if these fixtures are required.

### 3-Phase Power

- 2 x 32A PS Gallery
- 1 x 32A OP Gallery
- 1 x 32A USPS
- 1 x 32A USOP
- 1 x PS Stage Corridor

### Cable Stock

- The theatre has a sufficient stock of 10A 240V Extension leads to suit most requirements
- 2 x 25m 6-Way 10A Weiland Looms
- 1 x 10m 32A 3-Phase Extension

## Audio

### Control Positions

**Control Room:** Located above the rear of the auditorium, standard location for house console

**Auditorium:** Centre of Row L requiring approximately 6 seats to be removed from sale. Full MaDi patching available. Limited analogue audio patch.

**Other:** Other locations by arrangement only.

### Control & Amplification

#### Primary Mixer

DiGiCo SD8-24 Digital Console. 60 input channels (mono or stereo), 24 busses (mono or stereo), 12 control groups, 24 x 32 Band Graphic EQ's, 8 onboard FX units, 15-inch touch screen

**I/O Hardware:**

- Local - 8in/8out
- OP Stage MaDi Rack - 48in/8out (fixed location)
- Portable MaDi Rack- 32in/8out

#### Secondary Mixer

Allen & Heath GL2200 32 Channel including 4 stereo inputs, 6 aux sends, 4 groups and phantom power.

#### Amplifiers

3 x D&B D6 Dual Channel Amps (FOH LCR & Subs)

\*price on application\*

1 x Yamaha P5000S Amp (Foldback Side-Fill)

**Speakers**

5 x D&B T10 Speakers (Centre Array)

2 x D&B Ci80 Speakers (L+R Mid/High)

2 x D&B E15-X Subs (Subs L+R)

2 x RCF Art410A Powered Speakers (Wedge or Upright)

4 x JBL EON Loudspeakers (Located DSPS, DSOP, USPS, USOP as general Side-Fill)

**Play-Back/Recording**

Make	Model	Details/Accessories	Total
Denon	DNC-620	Single CD Player – Racked in control room	2
Denon	DN-C635	Single CD Player	1
Denon	DCD-335	Single CD Player	1
Denon	DN-D4500	Dual Deck CD Player – Racked in portable audio trolley	1
Tascam	SS-CDR200	Multi-Format Flash Recorder. 2 Track Digital recording as MP3 or WAV. Racked in control room	1

**Microphones / Input Gear**

Make	Model	Details/Accessories	Total
Shure	SM57	Dynamic Instrument Mic	4
Shure	Beta 57	Condenser Instrument Mic	2
Shure	SM58	Dynamic Vocal Mic	4
Shure	Beta 58	Dynamic Vocal Mic	2
AKG	D112	Dynamic Kick Drum Mic	1 \$
AKG	D40	Dynamic Instrument Mic	4 \$
AKG	C414 XLS	Large Diaphragm Condenser Mic	2 \$
DPA	4099P	Piano Condenser Mic	2
Crown	PCC-160	PZM Floor Mic	2 \$
Audix	ADX - 40	Cardioid Condenser Hanging Choir Mic	3 \$
Peak	Single Active DI	Active DI	4
Radial	JDI Duplex	Stereo Passive DI	1
ARX	USB DI	USB to Balanced XLR Interface	1
Sennheiser	G3 500 Series Wireless	8 Receivers / 4 Handhelds / 8 Lapel Packs *POA*	8 \$
Sennheiser	ME2	Omni Lapel Capsule *POA*	7
Lectern	Condenser Gooseneck	Condenser Gooseneck Mic	1

\*price on application\*

\*price on application\*

### Audio Accessories

- Mic Stands and Clips to suits the needs of venue equipment
- The theatre has a good stock of 3-pin XLR leads and various adaptor leads
- The theatre stocks tape/pins/elastics for radio mic concealment.

### Audio Patching

- MaDi Patching is available in Control Room, PS Stage, OP Stage, USC Wall, and Orchestra Pit.
- Analogue Patching is available from:
  - PS to OP: 24 sends / 4 returns
  - OP to Control Room: 24 sends / 4 returns

### Audio Visual

#### Data Projector

- Panasonic 10,000 Lumen 1080P digital laser projector. Fitted with variable zoom lens. Price on application.
- Projector is rigged in the auditorium beneath the control room.
- Various input options available in control room or other locations via cat5 transmitters.

#### Digital Media Server

- Mac Mini Server PC running Arkaos Media Master software.
- Control from lighting desk via Artnet
- Full HD Resolution, most file formats accepted.
- Audio output to sound console.

#### Projection Surface

**Fast-Fold Projection Screen:** 4.3m x 3.2m Front Projection Surface.

**Cyclorama Cloth:** Projection window approx. 11m x 5.5m

#### A/V Play-Back Equipment

- Laptops & DVD Players available on request.

#### A/V Cabling

- The theatre has a good stock of VGA/DVI/HDMI cable to suit its equipment.
- The theatre currently stocks Kramer CV & VGA over cat5 senders for long distance signal runs.

\*price on application\*

## BOH

### Communications

#### Stage Managers Desk

- Located DSPS (console may not be moved)
- LED Desk Lamps
- Comms Master Station
- Paging / Show Relay Control
- House LX Control
- House Curtain Control
- 2 x 7 inch LCD Monitors
- Power supply for laptops etc.

#### Talk-Back System

**Master Unit:** Clear-Com 2 Channel (cable network supports both channels)

**Total Sub Stations:** 8 Belt-Packs (Single Channel) & 2 Fixed Squawk Boxes (Dual Channel)

**Total Headsets:** 11

**Talk-Back Patching Locations:**

- Control Room (4)
- Stage Managers Desk
- Orchestra Pit
- USPS
- DSOP
- USOP
- Production Desk (Row G)
- Rear Stalls (Row L)
- Tech Office
- Workshop

#### Paging / Show Relay

- Paging to BOH areas from SMD
- Show relay audio to each location with local volume control (paging with override this feed)
- Show relay video to BOH locations (currently on monitors in Green Room)

## Dressing Rooms

Dressing Room	Capacity	Toilets	Shower	Details
Dressing Room 1	20	NO	YES	Toilet at end of corridor. LED Mirror Lights. Hand Basin
Dressing Room 2	20	NO	YES	Toilet opposite. LED Mirror Lights. Hand Basin
Dressing Room 3	20	NO	NO	Toilet opposite DR2. LED Mirror Lights.
Under-stage/Green Room	20	NO	NO	Green Room can be used as Dressing Room Space

## Laundry /Wardrobe

**Washing Machine:** Yes, 1

**Clothes Dryer:** Yes, 1

**Drying Room:** NO

**Iron/Boards:** Yes, 1

**Clothes Racks:** Yes, 6 Portable

## Production Facilities

**Production Desk:** Facilities include lighting data, comms, cat5 data and audio ties

**Production Office:** NO

**Phone:** By Arrangement

**Fax:** By Arrangement

**Internet Access:** Yes, WIFI

## Green Room

**Tea/Coffee Facilities:** Yes, By Arrangement

**Fridge/Freezer:** No

**Microwave:** No

## Stage Door

- Stage Door is located near the entrance to the lower foyer off Mines Road. Access through this door is controlled via a pin-code system. This door must not be pegged open.

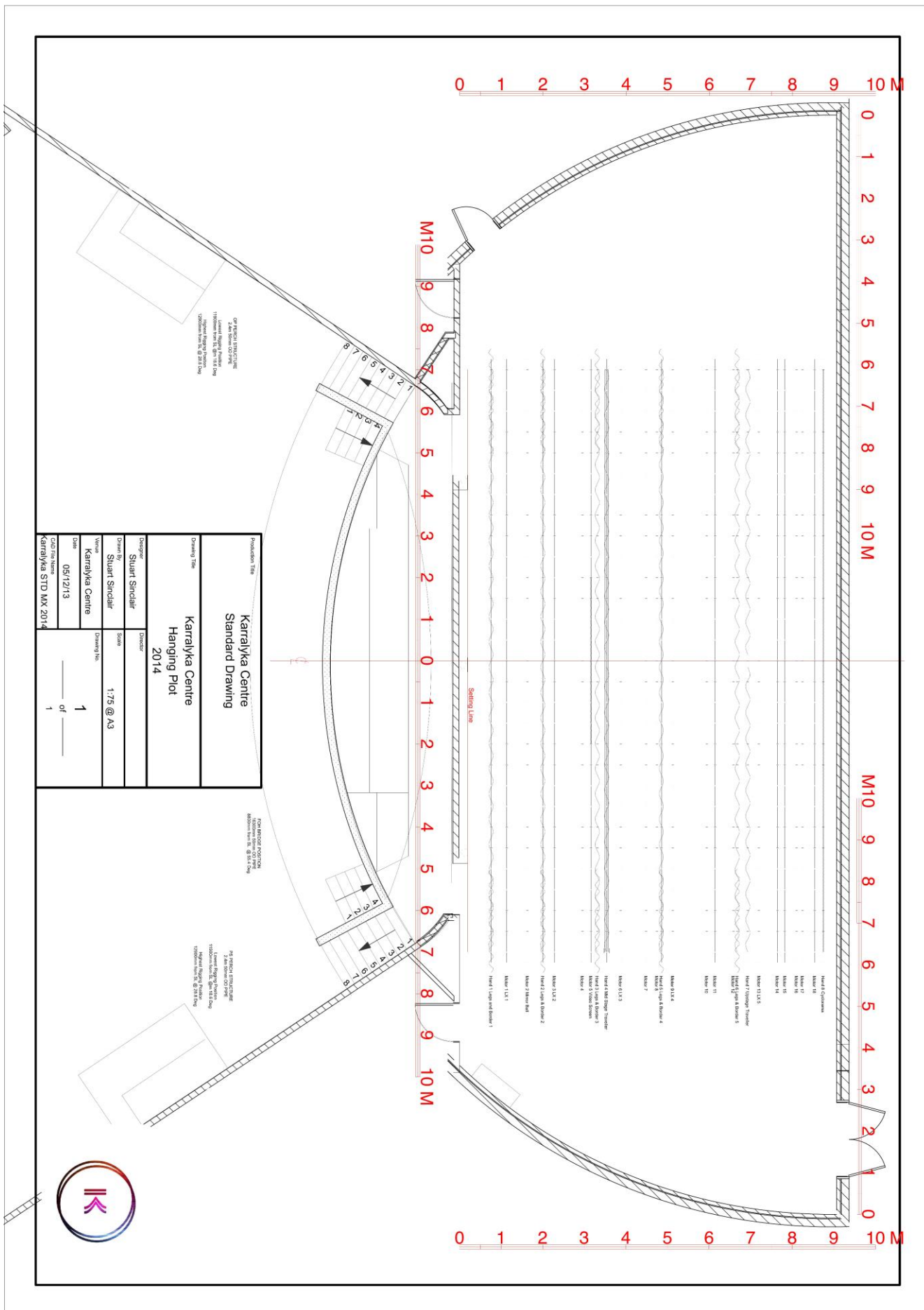
## Orchestral

- Schimmel K189 Concert Grand Piano. Stored USOP in Piano Locker

- Yamaha Upright Piano in Green Room.

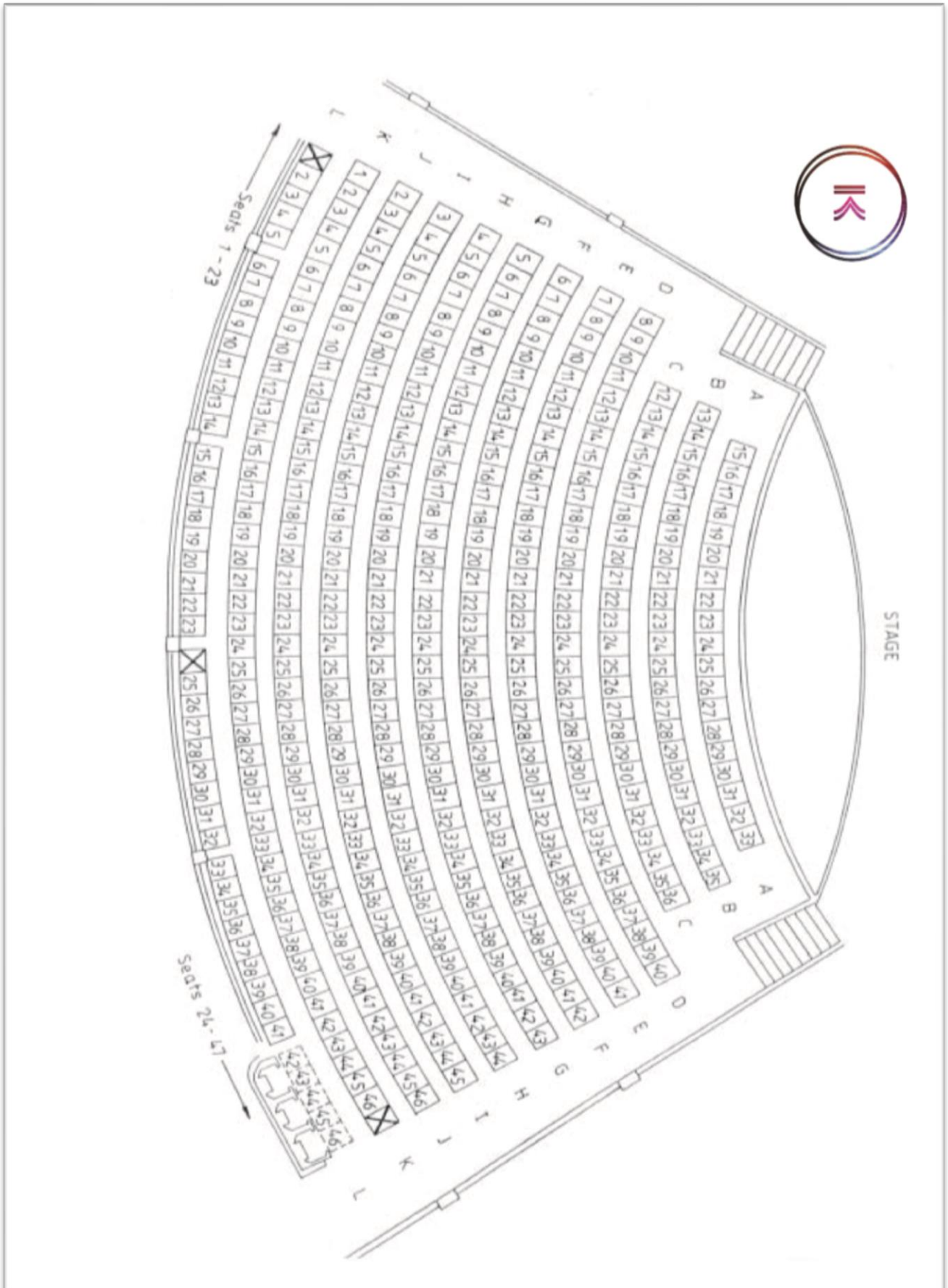
\*price on application\*

Attachment A – Theatre Stage Plan





Attachment B – Theatre Auditorium Plan



\*price on application\*

## Attachment C - Theatre Lighting Plot

**-Our Lighting Plot is currently under review**

\*price on application\*

## attachment D – Theatre Hanging Plot

Line Number	Distance from SL (mm)	Venue Standard Allocation	Stage to Grid	Stage to Bar (Hidden)	Bar (Hidden) to Grid
Hand 1	565	Legs & Border 1			
Motor 1	940	<b>Lighting Bar 1 (LX1)</b>			
Motor 2	1438		9.295m	5.480m	3.815m
Hand 2	1810	Legs & Border 2			
Motor 3	2090	<b>Lighting Bar 2 (LX2)</b>			
Motor 4	2760	<b>OUT OF ORDER</b>	9.617m	5.380m	4.237m
Motor 5	2965		9.518m	5.540m	3.978m
Hand 3	3120	Legs & Border 3			
Hand 4	3340	Centre Tab Traveler			
Motor 6	3680	<b>Lighting Bar 3 (LX3)</b>			
Motor 7	4290		9.976m	5.290m	4.686m
Motor 8	4550		9.956m	5.442m	4.508m
Hand 5	4660	Legs & Border 4			
Motor 9	4930	<b>Lighting Bar 4 (LX4)</b>			
Motor 10	5750	<b>LIMITED TO 100KG</b>	10.287m	5.496m	4.791m
Motor 11	5950		10.412m	5.720m	4.692m
Motor 12	6390		10.470m	5.228m	5.514
Hand 6	6485	Legs & Border 5			
Hand 7	6735	Upstage Tab Traveler			
Motor 13	7010	<b>Lighting Bar 5 (LX5)</b>			
Motor 14	7450		10.756m	5.312m	5.444m
Motor 15	7620		10.876m	5.416m	5.460m
Motor 16	7910		10.826m	5.493m	5.333m
Motor 17	8050		10.780m	5.613m	5.167m
Motor 18	8345		10.850m		
Hand 8	8550	Cyclorama			

\*price on application\*