

# REDLAND PERFORMING ARTS CENTRE



## AUDITORIUM TECHNICAL SPECIFICATIONS

### TECHNICAL MANAGER

Monique Silversides  
[Monique.Silversides@redland.qld.gov.au](mailto:Monique.Silversides@redland.qld.gov.au)  
07 3829 8583

### OPERATIONS MANAGER

Megan Imber  
[Megan.Imber@redland.qld.gov.au](mailto:Megan.Imber@redland.qld.gov.au)  
07 3829 8138



**redland**  
performing arts centre

# GENERAL INFORMATION

## THE AUDITORIUM

The Auditorium is an intimate 196-seat proscenium arch venue with flat floor seating and a raised stage. This flexible venue can also accommodate up to 100 tables of 10, or 196 seats for sit down functions and up to 200 patrons for stand up functions. The venue has a small stage, sound, lighting equipment and can operate a full bar and catering services to a range of events.

## THEATRE ACCESS

The Auditorium can be accessed either via loading dock behind the building or through the Auditorium foyer.

## LOADING DOCK

Access to the Auditorium loading dock is through the parking lot and up the side of the building to the end.

*Loading dock door: 1.4m wide x 2.1m high*

## DRESSING ROOMS

The Auditorium comes with one dressing room that can fit up to 5 people. It includes a private bathroom. Additional dressing room space can be provided if required and pending availability.

## KITCHEN

Located close by is a kitchen which can be used for the purpose of storing food, microwaving food, getting water or making tea and coffee. Note that this kitchen cannot be used as a green room space.

## DISABILITY ACCESS

For patrons, the Auditorium is fully accessible to anyone requiring special access. Please note that the raised stage can only be accessed by stairs at this time.

## LAUNDRY FACILITIES

A washer and dryer are located across the building in the Concert Hall. If required, pending availability, these can be used. An ironing board, iron and garment steamer are available for use in the Auditorium on request.

## AIR CONDITIONING

The Auditorium and Events Hall are both air conditioned. Air flow reaches onto the stage, dressing room and control room. The temperature is adjusted automatically.

## SMOKING

RPAC is a non-smoking venue. Smoking can only take place in designated smoking areas, one of which is located outside by the loading dock.

## WI-FI

RPAC has wi-fi that can be accessed from the Auditorium. The password can be supplied on request.

# HEALTH & SAFETY

## WORKING AT RPAC

As a requirement of using the space, anyone working at RPAC must adhere to safe work practices. A venue induction will be given to all visitors to RPAC before their performance commences which will explain the fire evacuation procedure and specific rules.

## RISK ASSESSMENT

A risk assessment must be provided prior to arriving at RPAC. Failure to do so may cause delays on arrival.

## TEST AND TAG

All electrical equipment being used must have an up to date test and tag. Any equipment that is not tagged will not be permitted to be plugged in. Some staff at RPAC are trained to issue temporary tags. If they are available, this can be organized for a fee.

## NOISE LEVELS

Noise during sound checks and performances are closely monitored. If levels exceed 110db, and sound is being operated by a non-RPAC technician, a warning will be given to them. Failure to limit excess noise after this could result in a stopped performance.

## FIRE RETARDANT

Any flammable set pieces must be sprayed with fire retardant before arrival to the venue. Set pieces that have not been protected this way may not be allowed on stage.

## ISOLATING VENUE

RPAC is equipped with a smoke detection system. Using any type of stage atmospherics will require the venue to be isolated. Isolation can be done at any time for any length of time by the duty technician. If a visitor sets off the fire alarms as a result of using equipment before the venue is isolated, the accompanying fine will be passed on to them.

## FIRST AID

All RPAC staff are first aid trained. A first aid kit is located in the kitchen.

## ASSISTED HEARING SYSTEM

The Auditorium is equipped with an infrared assistive hearing system. Hearing loops are provided to patrons who require them as they collect their tickets from the box office.

## WORKSHOP

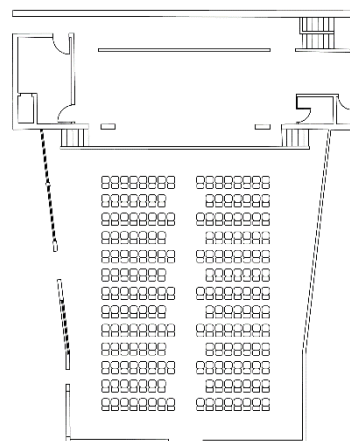
A workshop space is available in the across the building in the Concert Hall, which has access to an assortment of hand and powered tools. Pending availability, this area may be used. All RPAC staff are trained to use these tools and can assist where required. Other competent persons may be allowed to use certain tools if required.

# VENUE SETUPS

## THEATRE MODE

This is the default setup for the Auditorium. It includes full masking (legs, borders and house curtain).

Chairs are setup in 2 rows with alternating extra chairs. This is so that wheelchair access can be provided.

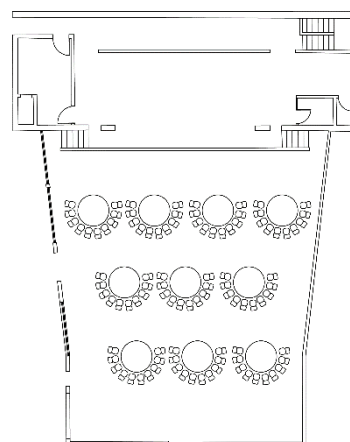


## CABARET MODE

With this setup, up to 10 tables with 10 chairs each are spread down the room.

A set of treads can be placed at the front of the stage, giving performers quick access to the floor.

The window to the bar can also be opened and manned during a performance for an extra cost.



## STAGE DIMENSIONS

In the standard setup, the dimensions are as follows:

*Stage width: 7.74m*

*Stage depth: 5.65m*

*Setting line to US wall: 4.2m*

*Height from floor to stage: 1.2m*

## SEATING

Depending on the stage configuration, the Auditorium can fit the following number of seats:

*Theatre mode: 196*

*Cabaret mode: 100*

## THEATRE PLANS

Small versions of the stage and masking plans are in this document on page 9 and 10. Larger plans are available on request from the Technical Manager.

## ACCOMODATING OTHER SETUPS

Depending on what is required, Auditorium can be configured in other ways not mentioned here.

The Auditorium is designed primarily to accommodate theatre and cabaret shows, but other setups could be achieved if requested.

# LIGHTING INFORMATION

## LIGHTING FIXTURES

The following equipment comes as part of the Auditorium's standard rig:

- 4x Combi 1.2k PC
- 4x Prolite 1.2k PC
- 4x Prolite 1k PC
- 10x Prolite 650w Fresnel
- 16x Event Lighting QUAD-18 LED Par

The following are some additional fixtures and equipment that can be hired at an extra cost:

- 8x Martin MAC Quantum Profile
- 12x VariLite VL770 Profile
- 1x Martin Jem 365 Haze Machine
- 1x Martin Jem ZR44 Smoke Machine
- 2x Look Solutions Unique 2.0 Hazer

Pending availability, some additional lights may be borrowed from other venues at RPAC. Some examples include:

- 2x ETC 750w 19° S4 Profile
- 16x ETC 750w 26° S4 Profile
- 6x ETC 750w 50° S4 Profile
- 28x ETC 750w S4 Par

Various other lights not mentioned here may be available from other RPAC venues, again pending availability.

## RIGGING POINTS

The following points are available to rig lights:

- 3x Overhead bars (10m wide, up to 15x outlets each)
- 6x Overhead lateral bars (4.5m long)
- 1x Proscenium bar (10m wide, 18x outlets)
- 1x FOH bar (10m wide, 16x outlets)
- 1x Lighting grid (above seats, 5x bars at 6.5m long each, 5x outlets on OP, PS and DS bars only)

## LIGHTING CONTROL

The following equipment comes as part of the Auditorium's standard setup:

- 1x ETC ION with 2x10 Fader Wing
- 3x dimmers racks located side stage
- 1x distro rack located side stage
- 1x universe of DMX sent to the control room

The ION is setup inside the control room, located at the back of the Auditorium and reached via ladder, but can be moved on request to the stage or to the floor at the back of the Auditorium.

An iPad with the iRFR app is available for controlling any ETC console remotely via network. The router for which is in the control room.

## BOOMS

A maximum of six booms can be setup if required. The boom bars sit at 3.25m tall.

## GELS AND ACCESSORIES

RPAC has an extensive stock of gels which can be cut to various sizes on request. Anything that is already in stock can be used where required. Acquiring special colours will incur a charge.

Barn doors and gel holders are also available for all fixtures.

## HOUSE LIGHTS

The Auditorium house lights are controlled via a switch on the floor or via a switch in the control room. A dial can also be used to dim the house lights but only from the control room.

## LIGHTING PLAN

A small version of the lighting plan is in this document on page 11. A larger plan is available on request from the Technical Manager.

# AUDIO INFORMATION

## **SPEAKERS**

The following equipment is part of the Auditorium's standard setup:

- 2x D&B Yi7 loudspeakers for FOH PA
- 4x D&B 5S loudspeakers for FOH surround
- 2x JBL EON10 loudspeakers for side fill

## **MONITORS**

The following equipment is available for use if needed:

- 2x AT NR4800 monitor
- 6x Eona ADRAudio subwoofer

Other equipment not listed here may be available from other RPAC venues, pending availability.

## **AUDIO CONTROL**

The following equipment comes as part of the Auditorium's standard setup:

- 1x Yamaha CL5 desk (72 channels)
- 1x Yamaha Rio3224-D2 (32in, 16out)
- 1x Yamaha Rio1608-D2 (16in, 8out)

## **MICROPHONES**

All microphones are hired at an extra cost:

- 2x Audio Technica ATM610
- 4x Audio Technica ATM650
- 1x Shure Beta 52s
- 1x Shure Beta 56a
- 1x Beyer M88
- 10x Shure SM57
- 9x Shure SM58
- 6x Shure SM58a
- 16x Audio Technica AT853
- 12x Rode NT5
- 8x Shure SLX2

## **STANDS**

Stands are available to use where needed:

- 8x table stands

- 8x round base stands
- 18x short boom stands
- 25x tall boom stands
- 2x very tall boom stands

## **DI BOXES**

An assortment of stereo and active DIs are available for use at an extra cost.

## **COMMUNICATION SYSTEMS**

Talkback systems can be used in backstage areas of the Auditorium and the control room. Note that only wired packs are available.

## **SPEAKER PLAN**

A small version of the speaker plan is in this document on page 12. A larger plan is available on request from the Technical Manager.

# VISION INFORMATION

## PROJECTORS

The Auditorium does not come with any vision equipment as part of the standard setup. Any projectors must be hired at an extra cost.

*Panasonic PT-DW11KE x 1*

- DLP Projector
- 11k Lumens
- 1355x768 (16:9) resolution
- Fixed short throw lens (0.8 : 1 ratio)
- Short throw zoom lens (1.0-1.2 : 1 ratio)
- Long throw zoom lens (1.4-1.9 : 1 ratio)

*Epson EB-2265U x 2*

- LCD Projector
- 5.5k lumens
- 1920x1200 (16:10) resolution
- Default lens (1.38 : 1 – 2.28 : 1 ratio)

## SURFACES

Projection surfaces must be hired at an extra cost, with the exception of the back wall which is a permanent structure.

*Back Wall*

- A white wall is behind an upstage curtain and can be revealed if required.
- 8.8m x 3.6m (28' 10" x 11' 9")

*Stumpfl Screen*

- Frame which can hold a front or rear projected surface, both of which are available
- The frame is free standing and can either sit just on the ground or raised up to 1m from the floor. A skirt can be provided to cover the gap in this case.
- 3.85m x 2.95m (12' 8" x 9' 8") 16:9 surface

## SCREENS

For a portable option, some screens are available at an extra cost, all of which can be free standing or attached to a frame with wheels.

- 1x LG 55" LCD TV
- 2x LG 65" LCD TV

## VISION SWITCHERS AND EXTENDERS

A Roland V800HD MKII Video Switcher is available for use at RPAC for an extra cost. It contains 4 inputs and 4 outputs through HDMI to DVI (cables are provided) as well as a preview monitor.

Several HDBT transmitters and receivers are available for use to extend HDMI signals over a long distance.

Some HDMI splitters are also available, which can be used to split a single HDMI signal to four separate screens.

## VIDEO INFRASTRUCTURE

Cat5 ports are located onstage and by the FOH lighting bar. All signals go to a port in the control room with a cable travel distance of under 50m.

## PLAYBACK

A MacBook Pro is available to use with the following AV playback software:

- *QLab 4* (free version, allows display of images and video without any manipulation. Full version can be hired at an extra cost)
- *ProVideoPlayer 2*

DVD and Blu-ray players are also available if required.

# STAGING INFORMATION

## MASKING

The Auditorium contains the following masking:

- 1x House curtain (red velour)
- 2x Borders (1.1m x 12m, black wool)
- 2x Legs (4.2m x 2m, black wool)
- 1x Midstage tabs (3.85m x 4.5m, black wool)
- 1x Upstage tabs (3.5m x 9m, white cloth)

Additional legs are also available if extra masking is required.

## MOTORISED FLYING AND RIGGING

The overhead stage bars are not rated and cannot be used to rig anything with significant weight.

Two structural bars above the Auditorium floor, can be used for rigging. Note however that these bars are not near the stage and have a wide circumference, meaning they are only useful for straps.

## STAGE RISERS

RPAC has several 1m x 2m risers which can be hired at an extra cost. They can be set with legs at a height of either 300mm, 450mm or 600mm. Skirts, treads and kick rails are also provided.

## TABLES AND ROSTRA

1.2m trestle tables and 0.75m square tables are available if required. Table cloths, if needed, can be hired at an extra cost.

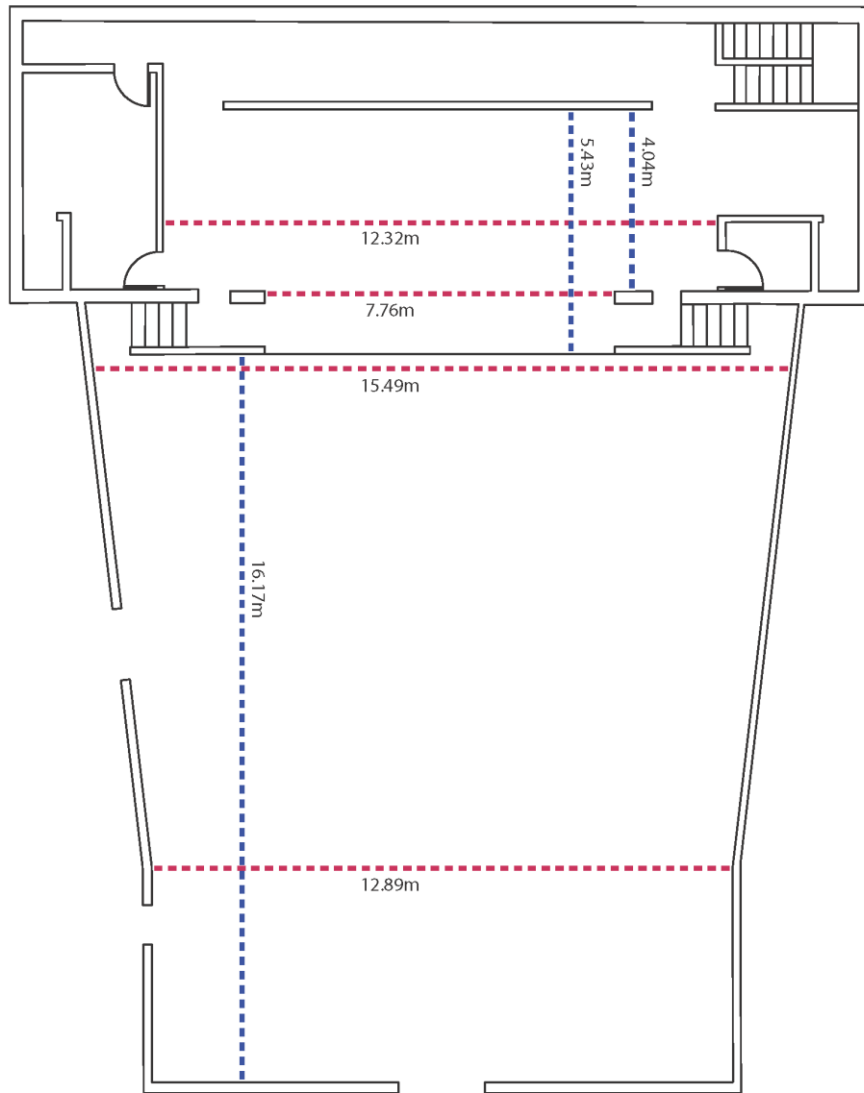
A collection of rostra blocks and plinths are also available, but are in various shapes and sizes.

## SCREWING INTO THE FLOOR

If necessary, screws can be used on the Auditorium stage as long as they are no longer than 10mm. Where possible, sandbags are preferred and can be provided.

Under no circumstances can screws be put into the Auditorium floor.





**redland**  
performing arts centre

RPAC Technical Department  
E: RPACBoxOffice@redland.qld.gov.au  
P: (07) 3829 8583

|          |                         |          |          |
|----------|-------------------------|----------|----------|
| Drawing: | Auditorium Measurements | Scale:   | 1:1      |
| Plan By: | JM (07/2014)            | Date:    | 14/05/20 |
| Edit By: | JG (05/2020)            | Version: | 2020     |

Leg

Curtain

Border

Up Stage Curtain  
Legs + Border 2  
Cyc Bar

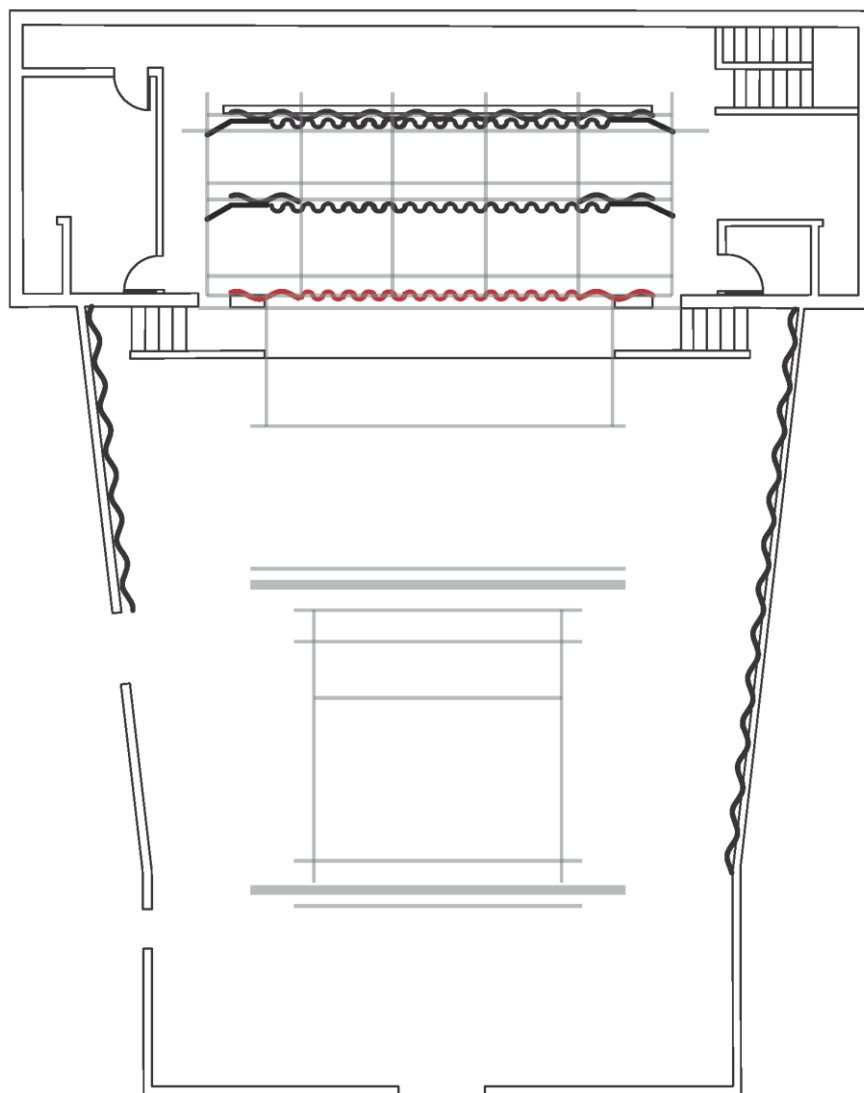
LX2  
Mid Stage Curtain  
Legs + Border 1

LX1  
House Curtain + Pros Border

Proscenium Bar

FOH Bar  
Structural Bar 2  
LX Grid

Structural Bar 1  
Back Bar



**redland**  
performing arts centre

RPAC Technical Department  
E: RPACBoxOffice@redland.qld.gov.au  
P: (07) 3829 8583

Drawing: Auditorium Masking Plan

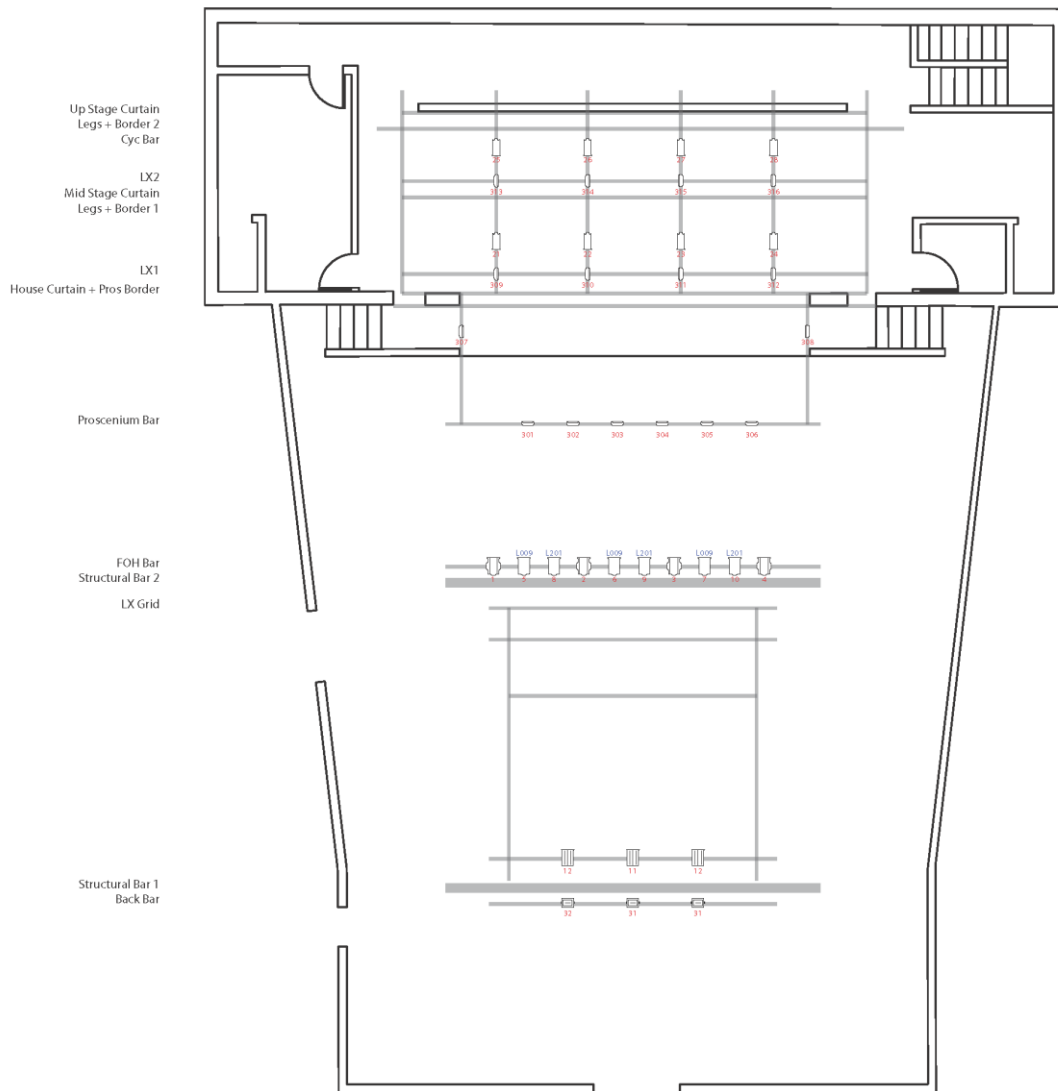
Plan By: JM (07/2014)







Edit By: JG (05/2020)

Scale: 1:1

Date: 14/05/20

Version: 2020



| Lighting Key  |                 |    |   |                         |     |
|---|-----------------|----|---|-------------------------|-----|
|  | Combi 1.2k PC   | x3 |  | Prolite 650w Fresnel    | x8  |
|  | Prolite 1.2k PC | x4 |  | ProShop QUAD-18 LED Par | x16 |
|  | Prolite 1k PC   | x6 |  | 500w Flood              | x3  |



**redland**  
performing arts centre

RPAC Technical Department  
E: RPACBoxOffice@redland.qld.gov.au  
P: (07) 3829 8583

Drawing: Auditorium Lighting Plan

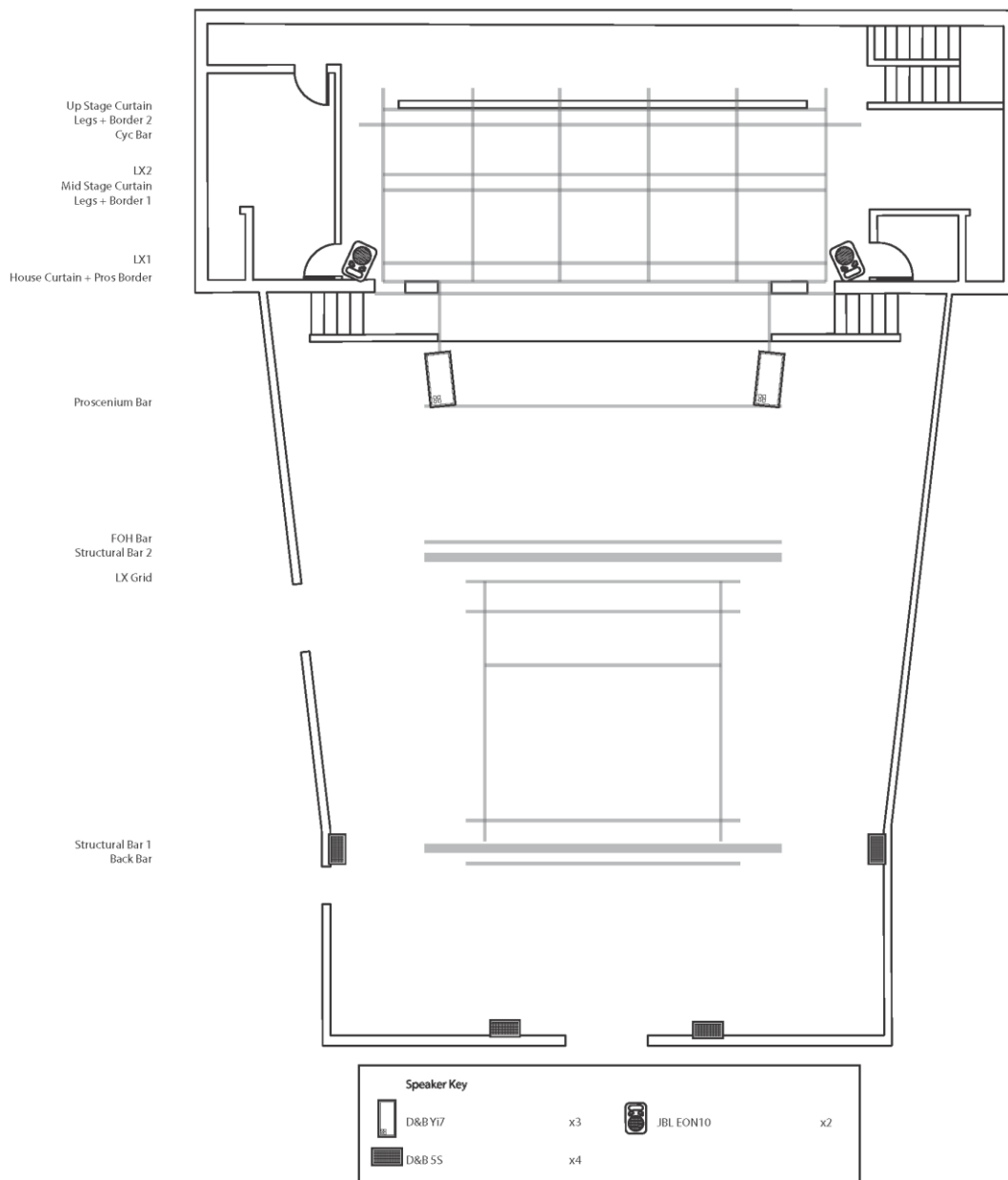
Plan By: JM (07/2014)

Edit By: JG (05/2020)

Scale: 1:1

Date: 14/05/20

Version: 2020



**redland**  
performing arts centre

RPAC Technical Department  
E: RPACBoxOffice@redland.qld.gov.au  
P: (07) 3829 8583

Drawing: Auditorium Speaker Plan

Plan By: JM (07/2014)

Edit By: JG (05/2020)

Scale: 1:1

Date: 14/05/20

Version: 2020