



RIVERLINKS EASTBANK

TECHNICAL SCHEDULE V12.161207 (December 2016)

Please note: This document is intended as a guide only.
Information is subject to change without notice.

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Seating:

Proscenium arch theatre, with retractable tiered seating auditorium. Theatre can be configured as both tiered and flat floor.

Auditorium – theatre style

The seating capacity is 849.

Tiered seating:	701
Dress circle (rows U, T, S):	109
Row A (removable):	39

The standard ticketing release has **827** tickets available to general public.

Row A provides access for disabled patrons and carers, and is generally not sold unless the performance is a sell out.

See App. A for other format seating capacities.

Disabled Access:

An elevator is available for patrons to access the upstairs foyer and auditorium area, and is located at the south east corner of the foyer.

Length:	1.4 m
Width:	1.0m
Door dimensions:	0.9 m x 2.0 m

Café:

Operated independently within the building. Applications for hire need to state whether this facility will be required and arrangements will be made accordingly by management.

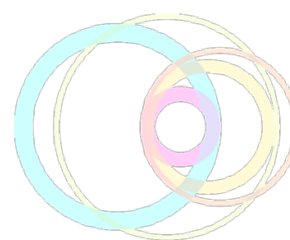
The café is run exclusively by Eastbank and is not available to hirers to operate for any purpose.

Function Rooms:

The Function Rooms are a 19.5 m x 20.8 m flat floor space, capable of being divided into two separate rooms. Each room has server access to the main kitchen. Each room contains audio & standard GPOs, 40A three phase outlets, talkback outlets, DMX inputs and video inputs/outputs. Each room has a 48 circuit lighting grid permanently installed.

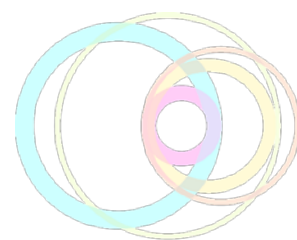
Alex Rigg Meeting Rooms:

The Alex Rigg Meeting Rooms are available for meetings or small workshops. Alex Rigg 1 is a large space with capacity for approximately 50 patrons seated theatre style.



STAGE DETAIL

Proscenium:	Width: 12.7 m Height: 4.9 m
Stage Dimensions:	Apron to Setting Line @ CL: 2.2 m Setting Line to US wall: 8.2 m Total Stage Depth @ CL: 10.4 m Stage Height AFFL: 1.02m
Stage Floor:	Surface is Masonite over T & G hardwood. Colour is black. Painting, screwing and lagging are allowed as long as surface is returned to its original condition during load out at the expense of the hirer. <u>No masking tape or sticky tape (durex etc) is to be used anywhere in the venue.</u>
Grid/Bars:	NO FLY SPACE EXISTS AT THIS VENUE. All operating bars are winched, with most softgoods dead hung. Maximum clear (US/DS to underside of main truss): 6.7 m Ladder access to FOH catwalk located on both PS & OP. PS ladder also leads to gantry above stage, with bar winches, patch panels and dimmers. Winch bar low trim: 1.1 m Winch bar high trim: 6.6 m Standard bar length: 14 m
House Curtain:	Dead-hung track, positioned at SL+300. Colour is teal. Matching valance dead hung immediately behind proscenium, giving a soft proscenium height of approx 4.6 m . All curtains are operated from PS.
Winch Bars:	7 winched bars in total. 4 double purchase winched electrics, with 24 circuits, 2x DMX and 2x Ethernet per bar. 3 other double-purchase winched lines installed, with 2 containing borders and 1 empty. 7 pick up points per bar at 1.8 m centres. Load capacity per LX bar (maximum, evenly distributed): 400 kg Load capacity per other bars (maximum, evenly distributed): 200 kg Point-specific load (maximum): 100 kg
Height Access:	Harnesses are required to be worn and correctly used for all height access via ladders, catwalks and booms, as directed. Harnesses and fall arrest lanyards are available from Riverlinks technical staff.
Fire Protection:	Sprinkler system fitted on stage, with thermal release heads. Particle detectors also installed, to trigger EWIS/fire alarm system. TECHNICAL STAFF MUST BE ADVISED OF ALL HAZERS, FOGGERS, OR ATMOSPHERIC EFFECTS BEING USED FOR THE EVENT, <i>PRIOR TO COMMENCEMENT OF LOAD IN.</i> * PLEASE NOTE: All Riverlinks venues are smoke free areas. No smoking is permitted in the building at any time.



ACCESS/STAGE CLOTHS

Loading Access:

Stage Loading Dock is located on the North end of the building, facing onto Nixon St. Access to stage is via a ramp from the dock, and enters to the stage at USC. Please note all trucks over 6m will require a traffic management plan.

Width of rollerdoor:	1.85 m
Height of rollerdoor:	2.98 m
Height of dock from ground:	0.76 m

Dock 2 is located on the south end of the stage, and is used for alternate load in access, and catering requirements. Access is via driveway behind venue, located off Nixon Street. Driveway runs between Eastbank and the library. Access from dock to stage is via stairs USOP, or a narrow ramp leading to USC.

Width of rollerdoor:	3.35 m
Height of rollerdoor:	2.65 m
Height of dock from ground:	0.93 m
Maximum vehicle height (empty):	3.99 m
Ramp width:	0.99 m

Theatre Access:

Access for all cast and crew is through the Stage Door located next to the loading bay off Nixon Street. Audience access is from Welsford Street, or from the pathway leading from Marungi Street.

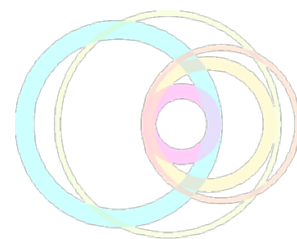
Stage Cloths:

<i>Legs</i>	3 pairs	Height:	6.0 m
		Width:	3.0 m
		Cloth:	Black wool, fullness sewn in.
<i>Borders</i>	3 sets	Height:	1.5 m
		Width:	15.0 m
		Cloth:	Black wool, bottom weighted.
<i>Tabs</i>	2 sets	Height:	6.0 m
		Width:	15.4 m
		Cloth:	Black wool, fullness sewn in.
<i>Cyclorama</i>	1 unit	Height:	5.95 m
		Width:	15.0 m
		Cloth:	Cotton
		Colour:	White

Temporary Staging:

Steel frame "bear trap" style folding risers, with black carpeted plywood tops. Black pleated skirts available for all staging.

<i>320mm</i>	6 units	1800mm x 1200mm
<i>620mm</i>	6 units	1800mm x 1200mm
<i>920mm</i>	4 units	1800mm x 1200mm



Stage Managers Desk:

No permanent SM desk exists. PS rack contains house light control, work light control, talkback and audience recall switch.

Talkback:

2 talkback loops installed throughout venue. Clearcom MS232 main station located in prompt side rack. Feeds to all areas in the venue.

- 8 Clearcom RS501 belt packs.
- 10 Clearcom CC40 single muff headsets.

HME Wireless Comms also available on request, main station is portable, additional charges apply.

- 6 HME BS200 belt packs
- 7 HME H15 single muff headsets

* PLEASE NOTE: Talkback equipment is shared between venues, and must be booked prior to event.

Program Relay:

1 x AT831B shotgun mounted on FOH Catwalk, which is fed to all dressing room areas. Paging via Clearcom system, from PS rack.

Video Relay:

Video cabling is distributed to various points around the venue. A camera permanently installed in the auditorium feeds monitors located in the foyer, and green room areas.

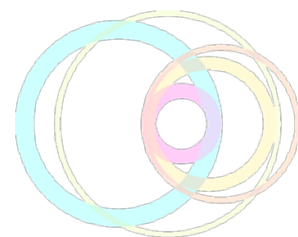
Dressing Rooms:

Dressing rooms & Green Room are located below stage, with stairwell access USPS and DSOP.

ROOM NO.	SIZE m	AREA sq.m.	NO. OF PERSONS
1	4.45 x 6.1	27.15	15
1a	2.7 x 1.7	4.59	Wardrobe area
1	4.45 x 3.2	14.24	4
3	3.4 x 2.05	6.97	3
4	3.4 x 2.05	6.97	3
Green Room	3.9 x 6.2	24.18	
Common Area	3.7 x 4.4	16.28	Located outside green room, useful for small warm ups.

Visiting Company Office:

Space maybe available below the stage on OP or in the Technical Managers office behind stage for visiting production staff. Please contact the Technical Manager to make arrangements if required.



Lighting Stock:

4	Strand SL 600w Profiles (15°/32° zoom)
6	Strand SL 600w Profiles (fixed 19°)
10	Strand SL 600w Profiles (fixed 26°)
12	ETC Source 4 Jnr (25°/50°)
4	Selecon Acclaim Zoomspot 650w Profiles (24°/44°)
26	Robert Juliat 310H 1.2kw Fresnels
10	Robert Juliat 310H 1.2kw PCs
10	Selecon Acclaim 650w Fresnels
16	MultiPARs 575w
5	Strand Coda 500/4 Cyc Units
2	Robert Juliat Margot 2.5kw Follow Spots (incl. stands, colour changers and unit dimmers)

Intelligent Fixtures (additional charges apply)

30	Chauvet ColorDash Par-Hex 12 LED RGBAW+UV
6	Martin Mac Quantum Profiles
6	Giotto Spot 400
4	Giotto Wash 400
6	Technobeam

Lighting Control:

ETC Gio DMX console containing 2048 channels, Strand VL64 PaletteVL DMX console containing 750 channels, or LSC Atom 24/48. Consoles rotate between venues depending on show requirements.

2 x LSC DNA active DMX loops and 1 x passive DMX loop distributed around venue. Passive inputs located in control room, rehearsal position (trapped, center of auditorium floor) and DSPS. DNA inputs located in above locations, as well as corners of function rooms.

Dimmers:

Auditorium

2x 24 Channel & 3 x 12 Channel @ 2.4kw LSC Redback Dimmers. Total of 84 dimmers. Dimmers are fixed on DS wall of PS gantry, adjacent to patch panels.

Function Rooms

1 x 12 Channel @ 2.4kw Bytecraft APC Solution 12. Total of 12 dimmers. Dimmers are located near patch panels, in Dock 2.

Lighting Bars:

Auditorium

FOH Catwalk distance from SL:	6.9m.
Front Boom (PS & OP), throw to DS:	8m/18m (near/far)
Rear Boom (PS & OP), throw to DS:	10m/19m (near/far)
LX 1:	0.9m from SL
LX 2:	2.5m from SL
LX 3:	5.0m from SL
LX 4:	6.3m from SL

Function Rooms

Both function rooms contain a 48 circuit lighting grid, at a trim of approx 4.8m. See App. B for lighting patch summary, and App. C for plan view of the Function Rooms.

Patch Panels:

Auditorium

Located on DS wall of PS gantry. Contains tails for all points in auditorium & stage.

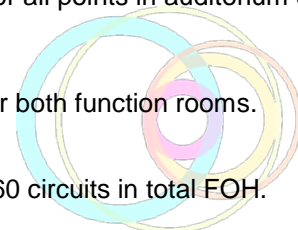
Function Rooms

Located on North wall in Dock 2. Contains tails for both function rooms.

Auditorium Patch Points:

36 circuits on FOH catwalk, 8 circuits per boom. 60 circuits in total FOH.
 24 circuits on each stage LX bar.
 20 stage trap circuits, 10 per side, split across 3 traps PS and OP.
 1 circuits in each followspot position.

See App. B for lighting patch location specifics.



POWER/WORKSHOP

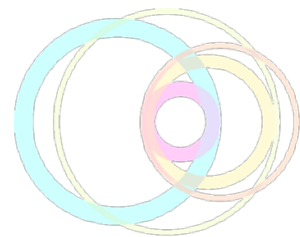
Auxiliary Power:

1	150A 3Ø hardwire connection	PS stage wall, next to DB-SL
1	32A 3Ø 5 pin outlet	PS, attached to DB-SL
4	40A 3Ø 5 pin outlet	PS dimmer gantry
1	32A 3Ø 5 pin outlet (fed from audio supply)	PS, below DB-A
1	50A 3Ø 5 pin outlet	DS OP, behind proscenium
1	32A 3Ø 5 pin outlet	Control room
2	40A 3Ø 5 pin outlet	Loading dock
1	32A 3Ø 5 pin outlet	Loading dock
1	40A 3Ø 5 pin outlet (East wall)	Function Room 1
1	40A 3Ø 5 pin outlet (West wall)	Function Room 2

* PLEASE NOTE: Hardwire connection must be tied in by a Riverlinks supplied qualified electrician, at the hirers cost. Touring staff are not permitted to tie in.

Workshop Facilities:

1	JLG Scissor Lift EWP – maximum working height 8.4m
1	3.6m fibreglass A-frame ladder
1	2.4m fibreglass A-frame ladder



RIVERLINKS
EASTBANK

Audio Mixing Position:

Usual position is in auditorium control room. Operation from prompt corner is possible but must be advised prior to load in. Operation from auditorium is also possible (standard auditorium position excludes Rows PQR, seats 16-28), but must be advised prior to tickets going on sale.

Audio Mixers:

- 1 Yamaha CL5 Digital Console 72 channels and 32 returns. On board equalisers, compression, gates and effects
- 1 Yamaha LS9-32 Digital Console 32 channels and 16 returns. On board equalisers, compression, gates and effects
- 2 Yamaha Rio3216 Digital Racks
- 1 Allen & Heath Mix Wizard 14:4:2+

Compressors:

- 1 ARX Quadcomp compressors, used with A&H console

Effects:

- 1 Lexicon MPX500, used with A&H console

Playback:

- 1 Sony CDP-D11 CD player
- 1 Sony MXD-D5C CD/MD player/recorder
- 1 Marantz PMD510 dual cassette deck

Radio Systems:

- 6 Sennheiser EM500G3 – Band B UHF receivers
- 4 Sennheiser SKM500-945 handheld radio microphones
- 2 Sennheiser SK500 bodypack transmitters, with MKE-2 capsules/ME mic

*PLEASE NOTE: More receivers and microphones are available upon request. Additional costs apply to use this stock

Microphones:

- 6 Sennheiser e845 vocal mics
- 4 Sennheiser e945 vocal mics
- 6 Sennheiser e604 instrument mics
- 1 Sennheiser e602 kick drum mic
- 2 Sennheiser e606 guitar mics
- 3 Sennheiser e912Bk boundary mics
- 4 Rode NT5 condensor mics
- 4 Rode NT55 condensor mics
- 8 Audio Technica 853a choir mics
- 3 Audio Technica 4041 cardioid capacitor mics
- 2 Crown PCC160 plate mics
- 2 Shure MX418/S lecturn mics

* PLEASE NOTE: Microphone stock is shared between venues, and as such may not all be available for your event. Please advise Riverlinks Technical Staff as to your requirements as early as possible.

Foldback System:

- 4 L'Acoustic 12XT active wedges
- 2 HK D.A.R.T. 12" powered wedges
- 4 ARX SPL8 powered speakers

Speaker System:

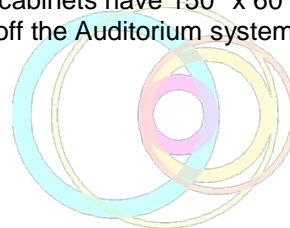
The Auditorium houses a Renkus-Heinz Reflex series system, consisting of 6 RFX121-T 12" and horn cabinets arrayed as pairs left, center and right, and 2 RFX18S 18" subwoofers. The system is run stereo, with the center cluster being fed a mono sum of the L-R signal.

The Function Rooms each have a pair of Renkus-Heinz RFX61 6" and horn cabinets, mounted centrally in each room. These cabinets have 150° x 60° dispersion horns, and can be run as delay stacks off the Auditorium system, or as standalone systems for each space.

Instruments:

- 1 Steinway Concert Grand Piano
- 1 Yamaha G3 Baby Grand Piano
- 1 Yamaha C108 Upright Piano
- 1 Yamaha CLP 550 Clavinova

* PLEASE NOTE: Pianos are tuned to A440. Tuning for an event will only be carried out by a Riverlinks supplied piano tuner, and at the expense of the hirer. Pianos should be booked well in advance to allow scheduling of tuning to occur.



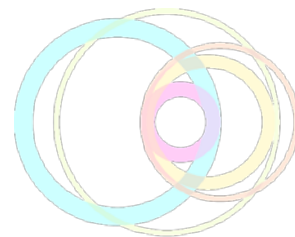
Lecturn:	2	Lectrum L20
Data Projector:	1	NEC MT1055 LCD Projector (2500 Ansi Lumens)
	1	NEC NP3151 LCD Projector (5000 Ansi Lumens) – <i>additional charges apply</i>
	2	NEC VT595 LCD Projector (3000 Ansi Lumens) – <i>additional charges apply</i>
Overhead Projector:	1	Gilkon GLX-7 OHP
Playback:	1	Samsung DVD-V70 DVD/VHS player
	1	Panasonic NV-SJ400 4 head mono VCR
Screens:	1	3.6m x 2.75m Nova RP screen – <i>additional charges apply</i>
Switching:	1	Extron MVX84 VGA 8x4 Matrix Switcher
	1	Kramer VP-771 Vision Seamless Switcher – <i>additional charges apply</i>
Sources:	1	Intel Core i7 content creation server
	2	Intel Core i5 playback PCs
	1	Grandtec MPEG player/card reader
Amplifiers:	1	Cinde 100AV composite VDA
	2	1x4 250Mhz VGA VDAs
Processors:	3	Grandtec composite video > VGA scalers
	1	Grandtec VGA > composite video scan converter
Infrastructure:		<p>BNC terminated coaxial cabling is distributed to various points around the auditorium, function rooms and foyers. 15-pin HD terminated VGA cabling is distributed to the FOH catwalk, and stage area.</p> <p>Foyer monitors are cabled with multi-channel RF feeds to enable late arrival monitoring, or specific program supply.</p> <p>A conduit exists between the control room and the FOH catwalk to enable easy distribution of extra temporary cabling.</p>
Furniture:	800	Dining chairs
	200	Utility chairs
	50	1.8m round tables (seat 10)
		Trestle tables (assorted sizes) to seat up to 800

Meeting Rooms

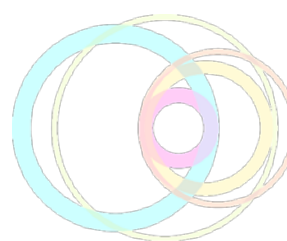
30	Conference chairs
8	Trapezoidal tables
4	Rectangular tables

* PLEASE NOTE: Venue hire charges include the initial setup, pack down and cleaning of rooms. Additional charges will apply for any substantial changes to set out during the course of an event.

* PLEASE NOTE: Table cloths, linen, cutlery, crockery and glassware are not included in the hire charges.



- House Seats:** On all ticketing events, Management will retain seats 19 – 24 in Row M (6 seats).
- Disabled Access:** Ramps available at either Welsford St, Marungi St or Nixon St entrances. Theatre seating for disabled patrons and their carers is provided in Row A.
- Ushering and Technical Staff:**
 For a full house a minimum of six ushers are required. Further to this, one Riverlinks employed Front of House/Venue Supervisor is required for all events. Hirers may provide their own ushers, or ushers can be provided.
- The minimum level of technical staffing required for all events is one House Technician. Any extra Riverlinks staff required for the event will incur additional charges to the hirer, and are rostered on a minimum 4 hour call.
- One** staff member is included in the hiring cost for the venue for a maximum of 8 hours. This may either be a FOH/Venue or Technical staff member.
- Property and Damages:**
 Riverlinks management will not accept responsibility for any damage or loss of goods and/or personal belongings left in the Centre prior to or after a Function and/or Performance. The hirer is financially responsible for any damage caused to the Centre or its equipment during the Hirer's occupancy, function or performance.
- Cleaning:** General cleaning is included in the cost of the hire, unless specified otherwise. The Hirer will incur additional cleaning charges if the use, occupancy, function or performance has created cleaning requirements that are considered to be over and above normal general cleaning.
- Parking:** No vehicles are to be left at any time parked in the loading dock. This must be available at all times to vehicles loading and unloading for the venue and for emergency vehicles such as ambulance and fire services.



Seating Capacities:

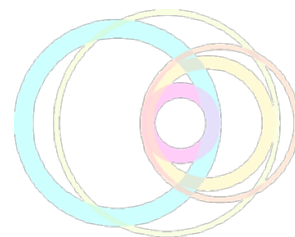
Style	Auditorium	Lobby	Function Room 1	Function Room 2	Total
Round tables	450	50	200	200	900
Round tables, with dance floor	390	50	180	180	800
Trestle tables	640	80	340	340	1400
Trestle tables, with dance floor	240	80	340	340	1000
Flat floor seating	640	80	340	340	1400

* PLEASE NOTE: This information is presented as a rough guide only. Events should not be planned solely based on this data.

* PLEASE NOTE: The numbers given for functions with dance floors will vary depending on the size of the dance floor required.

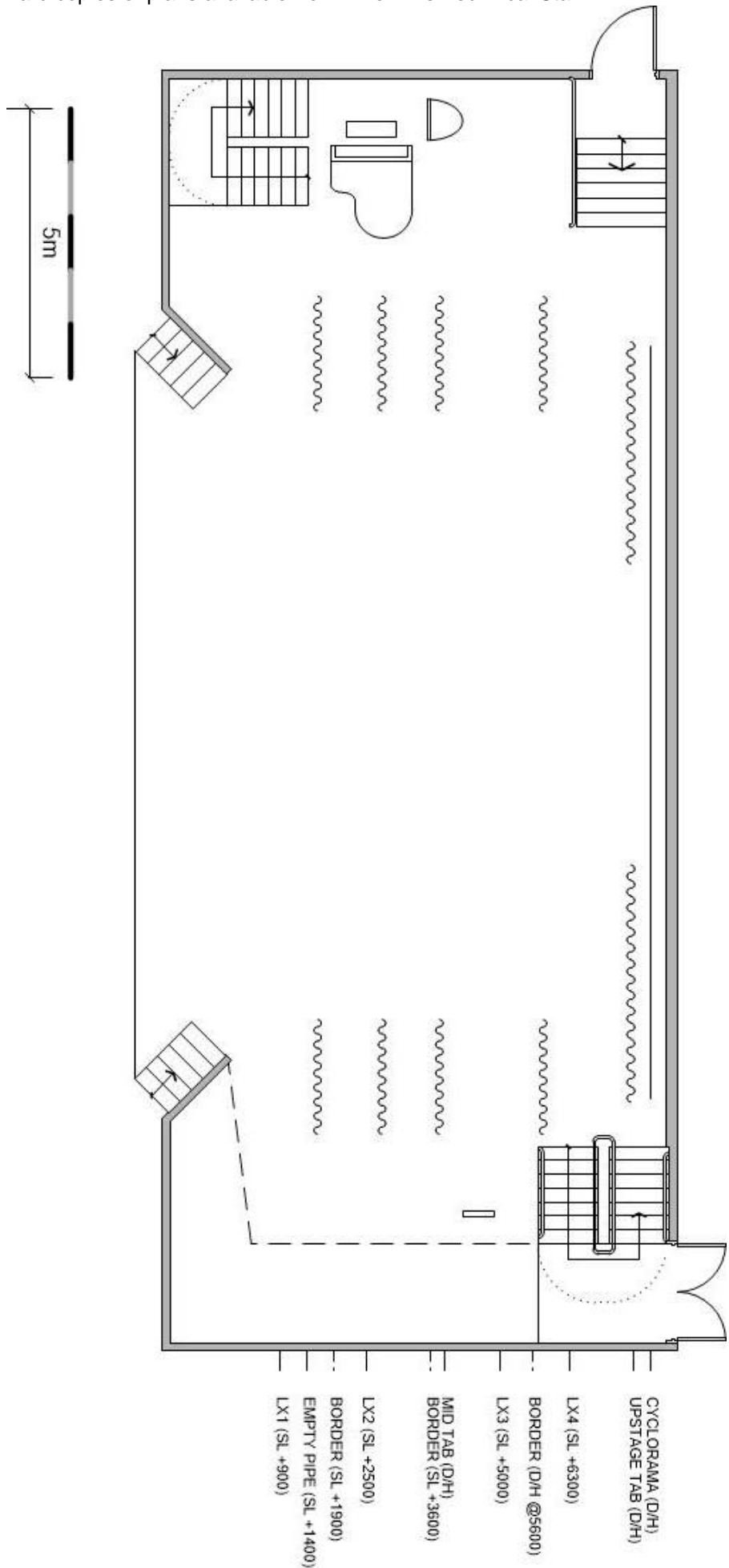
Lighting Patch Outlet Location Summary:

Location	Patch Point
FOH Catwalk (OP -> P)	001 – 036
Boom PS Rear	037 – 044
Boom PS Front	053 – 060
Boom OP Rear	045 – 052
Boom OP Front	061 – 068
Trap OP DS	069 – 071
Trap OP MS	072 – 074
Trap OP US	075 – 078
Trap PS DS	079 – 081
Trap PS MS	082 – 084
Trap PS US	085 – 088
Followspot PS	089
Followspot OP	090
LX1 (OP -> P)	097 – 120
LX2 (OP -> P)	121 – 144
LX3 (OP -> P)	145 – 168
LX4 (OP -> P)	169 – 193
Function Room 1, PS	001 – 016
Function Room 1, C	017 – 032
Function Room 1, OP	033 – 048
Function Room 2, PS	001 – 016
Function Room 2, C	017 – 032
Function Room 2, OP	033 – 048



APPENDIX C

Hard copies of plans available from Riverlinks Technical Staff.



Venue Plans: