



QUEENS PARK THEATRE

TECHNICAL SPECIFICATIONS



Senior Venue Technician

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Brief Stage Description

We have an unraked proscenium arch stage, the floor is not sprung. with 39 single-purchase fly-line facilities.

Stage Dimensions

Proscenium

Height:	6m
Width:	9.7m

Distance From

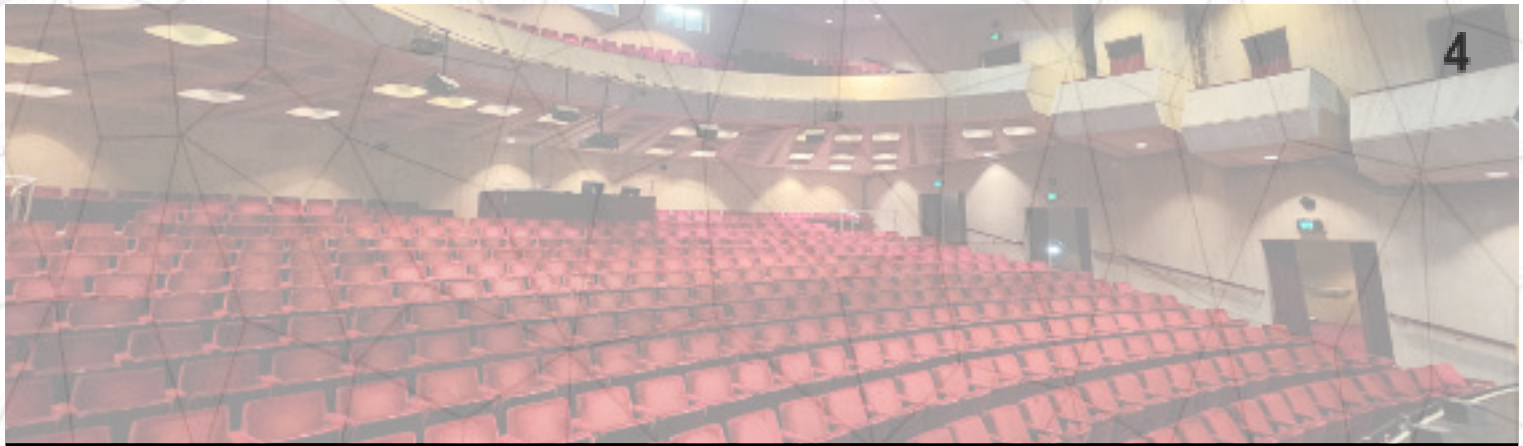
Proscenium to Cyclorama:	10.7m Depth
Standard Performance Masking:	9.5m Width
Transverse Masking to Transverse Masking:	17.2m (Maximum Useable Width)
Standard On-Stage Wing Space:	3.5m
Setting Line to Front Edge of Stage:	1.15m (In Front of House Curtain)
Stage Extension is curved edge adding:	2.6m (From Front Edge 3.7m)
Drift:	18m

Stage Load Limit

Distributed Load Limit:	750 kg/m2
Point Load Limit:	450kg

Overhead Obstructions

Up-Stage Cross-Over has air-conditioning ducting



Auditorium

Auditorium consists of ranked auditorium seating and a circle level with box seats.

Seating Capacity

Lower Auditorium:	491
Stage Extension Seating:	48 (Rows A, B & BB)
Balcony Seating:	137
Box Seating:	14

Removal of Seating Options

Filming of Performance:	4 seats are removed in-front of the Ops Desk
Live Streaming:	8 Seats are removed right of Ops Desk
Production Desk:	8 Seats are removed centre of the Auditorium

Orchestra Lift / Pit

Auditorium Seats (Rows A, B and BB) can be removed to create a stage extension or orchestra pit. The default seating is at Auditorium level, without the stage extension. Please advise the Senior Venue Technician during the preliminary discussions, if this needs to be different to the default position.

SWL of Orchestra Lift	2T
Maximum amount of people on pit:	20
Dimensions:	2.6m by 8.0m





Fly System

The Fly System is a single purchase counterweight flying system, which is only operated by inducted QPT Technical Staff or the discretion of the Technical Team Leader.

Fly System Details

Operating Position:	OP at Stage Level
Total Number of lines:	39 Lines
Batten Type:	50mm O/D Pipe
Batten Length:	16,470
Batten Pick-ups:	(4) pick-ups 2 each side of the 2m centre mark
Batten W.L.L:	Even distribution load of 350kg
Cradle Capacity:	375kg
Lighting Bar Capacity:	200kg

Access Equipment

Elevated Work Platform

Genie GR20	Working Hight 8m
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Ladders

1 x Foldable Multi-Purpose A-Frame 4.5m	1 x A-Frame 2.4m
1 x A-Frame 1.8m	2 x Step Ladder 1m
1 x Extension Ladder 6.5m	

Rigging

2 x 1T Chain Blocks	Limited stock of rigging equipment
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Hanging Plot

LINE #	DISTANCE FROM SL	LINE TYPE	WLL	VENUE ALLOCATION	HIRER USE
1	250	MW		House Curtain	(FIXED)
2	500	SP	350kg	Tease + Track Legs	(FIXED)
3	750	SP	350kg	Cinema Screen	(FIXED)
4	1,000	SP	350kg	<i>(empty for LX clearance)</i>	
5	1,250	SP	350kg	LX 1 Truss	(FIXED)
6	1,500	SP	350kg	LX 1 Truss	(FIXED)
7	1,750	SP	350kg		
8	2,000	SP	350kg		
9	2,250	SP	350kg		
10	2,500	SP	350kg	Border	
11	2,750	SP	350kg	Legs	
12	3,000	SP	350kg	<i>(empty for LX clearance)</i>	
13	3,250	SP	350kg	LX 2 (24x10amp Circuits)	
14	3,500	SP	350kg	<i>(empty for LX clearance)</i>	
15	3,750	SP	350kg	LX 3 (4x10amp Circuits)	
16	NO LINE				
17	4,250	SP	350kg		
18	4,500	SP	350kg		
19	4,750	SP	350kg	Border	
20	5,000	SP	350kg	Legs	
21	5,250	SP	350kg	<i>(empty for LX clearance)</i>	
22	5,500	SP	350kg	LX 4 (24x10amp Circuits)	

Hanging Plot .Cont

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LINE #	DISTANCE FROM SL	LINE TYPE	WLL	VENUE ALLOCATION	HIRER USE
23	5,750	SP	350kg	(empty for LX clearance)	
24	6,000	SP	350kg	Portable Screen 16x10	
25	6,250	MW	350kg	Mid-Stage Smoother	
26	6,500	SP	350kg		
27	6,750	SP	350kg		
28	7,000	SP	350kg		
29	7,250	SP	350kg	Boarder	
30	7,500	SP	350kg	Legs	
31	7,750	SP	350kg	(empty for LX clearance)	
32	8,000	SP	350kg	LX 5 (24x10amp Circuits)	
33	NO LINE				
34	NO LINE				
35	8,750	SP	350kg	LX 6 (4x10amp Circuits)	
36	9,000	SP	350kg	(empty for LX clearance)	
37	9,250	SP	350kg	Border	
38	9,500	SP	350kg	Legs	
39	9,750	SP	350kg	(Empty for LX clearance)	
40	10,000	SP	350kg	LX 7 (4x10amp Circuits)	
41	10,250	SP	350kg	Smother	
42	10,500	SP	350kg	Cyclorama	(FIXED)

SL: Setting Line as indicated previously

Line Type: **SP** = Single purchase, **DP** = Double Purchase, **MW** = Motor Winch, **HW** = Hand Winch, **HL** = Hand-line

W.L.L: Maximum distributed load including bar weight

Motor Controls Operated from SM Desk on PS

Rigging Notes:

All flown items must be rigged with rated equipment and subject to approval by Venues Rigger.

All Circus or Aerial equipment that is to be rigged from the building must be rigged by Licensed Advanced Rigger, the hirer is responsible for organising this.

LX Bars and Projector will need bars in between for clearance issues

Drapery

TYPE	MATERIAL	COLOUR	WIDTH	HEIGHT	AMOUNT
House Curtain	Velvet 50% Gathered	Red	15,470	7,000	1
Border	Wool	Black			5
Legs	Wool	Black			7 Pairs
Smother / Tabs	Wool	Black			2 Pairs
Transverse Masking	Wool	Black			6
Cyclorama	Cotton	White	15,550	7,000	1
Push Up Drapes	Velvet	Black	3m	3m	8
Push Up Poles				2.4m - 4m	9
Push Up CrossBar			2m - 3m		8

Staging

Stage Risers

16 x 1.8m by 1.2m Global Performer Stage Riser

4 x 1.8m by 0.6m Global Performer Stage Riser (Used as Side Stage Tables, DJ Table)

300mm, 600mm, 900mm Legs, including various heights with wheels

1 Step, 3 Step & 5 Step Stairs for the above heights

Limited amount of skirts for the above heights (please confirm with Senior Venue Technician)

Other

100 x Plastic Chairs

8 x 6ft Trestle Tables

2 x Lectern

Lighting

Positions

FOH Bridge #1

Setting Line to Lighting Bar:	11m @ 65 degrees
Useable Bar Width:	12m
Notes:	Sight Lines to 3/4 Stage

FOH Bridge #2

Setting Line to Lighting Bar:	15.7m @ 45 degrees
Useable Bar Width:	12m
Notes:	Sight Lines to Mid Stage

Balcony Bar

Setting Line to Lighting Bar:	14m @ 20 degrees
Useable Bar Width:	6m
Notes:	

FOH Perches

Setting Line to Lighting Bar:	9.5m @ 40 degrees
Notes:	Harness Needed /Working at Heights Needed Not the best sight line to stage

Pros Boom

Notes:	Harness Needed / Working at Heights Needed
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Stage LX Bars

Notes:	4 LX Bars, others can be made into LX with looms
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Lighting Control

Lighting Desk

Primary	GrandMA3 Compact XT
Backup	GrandMA Dot 2

Lighting Data Network

Artnet 16 ports	Dimmer Racks
Artnet 8 ports	Stage Manager Desk
Artnet 8 Ports	Ops Desk (can be in or outs)
Analog DMX	2 Lines of DMX from Ops Desk

House Lights

Independent control from SM desk @ Prompt Side – Fade time not adjustable (8 secs).

No DMX Control of House Lights

Dimmer Racks

LOCATION:	PS Gallery Level		
TYPE	NAME	RACKS	TOTAL CHANNEL
Dimmer / Distro	LSC Gen VI	14	168
LOCATION:	PS Stage Level		
TYPE	NAME	RACKS	TOTAL CHANNEL
Distro	Jands PDS (only 3 x 3phase on stage level)	2	24
Dimmer		0	
TOTAL DIMMER CHANNEL COUNT:		168	



Stage Luminaires

PROFILES

MAKE	MODEL	ANGLE	NOTES	TOTAL
Selecon	Pacific	12-28	Gobo M	10
Selecon	Pacific	23-50	Gobo A	15
Selecon	Pacific	45-75	Gobo A	17
ProLight	ELC CT+ (12CH)	25-50	See Below	12
ProLight	ELC CT+ (12CH)	15-30	See Below	15

NOTES:

Selecon	We have limited stock left of globes, we have 6 Iris units available
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FRESNELS

MAKE	MODEL	NOTES	TOTAL
Selecon	Fresnel 8"	Barndoors	8

OTHER

MAKE	MODEL	CH	NOTES	TOTAL
Ehrgeiz	Fusion Bar 2	13	9 units covers the CYC	10
Robert Juliet	Alex Follow Spot		6 Colour Holder	2

Stage Luminaires .Cont

MOVING HEADS

MAKE	MODEL	TYPE	CH	NOTES	TOTAL
Martin	MH7 Hybrid	Spot	21	2 units Permanently Mounted above Box Seats	8
Tour Pro	Fuze Wash 300	Wash	15	Some desks have it as an "Elation Fuze Wash Z120"	14
Clay Paky	Alpha Spot 300	Spot	21	Old Fixtures (limited output, no spare globes)	3

Lighting Accessories

MAKE	MODEL	NOTE	TOTAL
Unique	2.1 Hazer		2
Tour Pro	Storm 1000 RGB Strobe		1
Mirror Ball		With Motor	1
Prolight	Ct+	Iris	5
Prolight	Ct+	Gobo Holder	20
Prolight	Ct+	Soft Edge Filter R119	6



Audio

PA System

QPT has an L'Acoustics Line Array System that is controlled by Q-SYS.

Main Hang	7 x KIVA + 1 SB15M per side
Ground Subs	1 x SB18I per side
Side Fill	1 x 8XT per side
Front Edge Lip Fill	4 x 5XT per side
Under Balcony Fill	2 x 8XTI per side

System Processing

QPT audio system is controlled by Q-SYS for Routing and EQ processing, below is sample presets for routing control

House Preset	For when the house desk is being used
LR Touring	L/R input are routed to all speakers
LRS Touring	L/R inputs are routed to all speakers, Sub is routed to Ground Subs
Full System	All inputs are routed to their dedicated outputs for full control

Mixing Desk

Main	Allen and Heath DLive C3500 (Waves Card) & DM48 Mix Rack
Backup	Yamaha LS9

Wired Microphones

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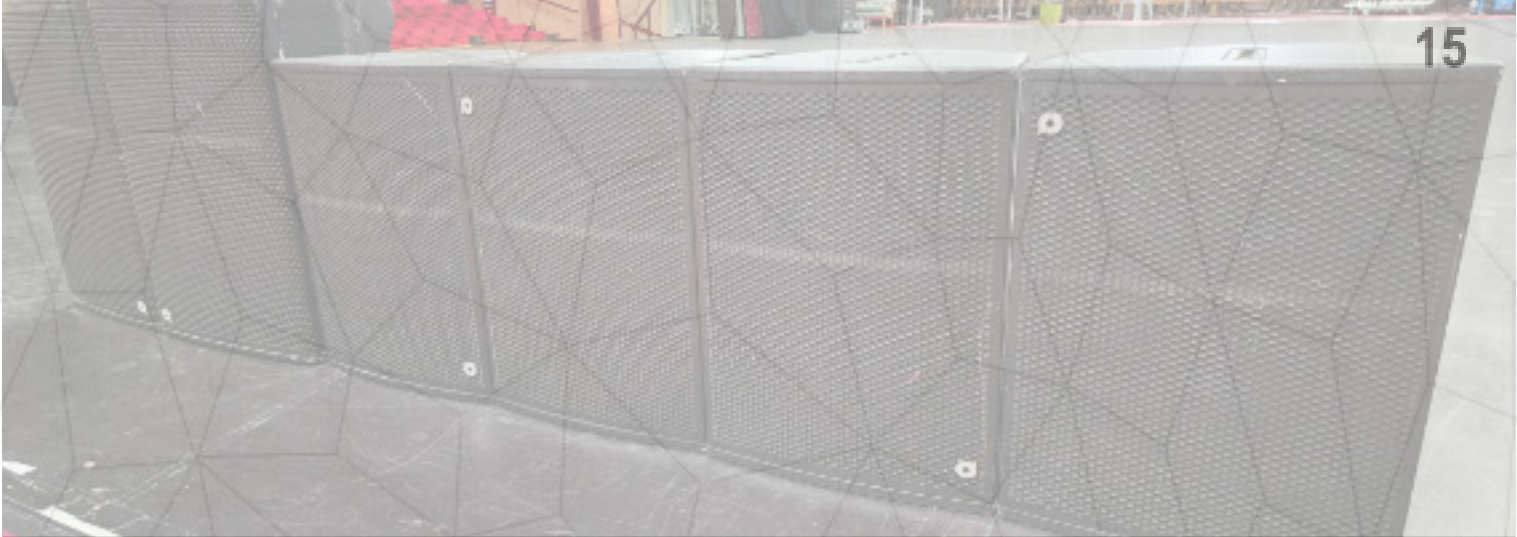
MAKE	MODEL	USE	TOTAL
Shure	SM57	Instrument	4
Shure	SM58	Vocal	1
Shure	SM81	Overhead	2
Shure	BETA 52A	Kick Drum	1
Shure	M412	Lectern	2
Sennheiser	E835	Vocal	2
EV	RE90H	Choir Hanging	1
EV	ND66	Condenser	4
EV	RE90B	Boundary	2
AKG	C418	Clip Drum Mic	3
AKG	D112	Kick Drum	1
AT	AT3031	Condenser	1
JTS	CX508	Clip Drum Mic	1

Wireless Microphones

MAKE	MODEL	USE	TOTAL
Sennheiser	EW500 G3 E945	Vocal	4
Sennheiser	EW500 G4 E935	Vocal	4
Sennheiser	EW500 G4 Belt Pack		8
Sennheiser	Receiver		8
Sennheiser	Antenna Splitter		2
Sennheiser	Slim Headset Mic		4
Sennheiser	Robust Headset Mic		8

DI

MAKE	MODEL	USE	TOTAL
Klark Teknik	DN100	Active Single	2
Radial	JDI	Passive Single	4
Radial	PRO D2	Passive Stereo	1
Radial	BT-PRO V2	Bluetooth	1
Radial	USB PRO	USB to dual XLR	2
Radial	Presenter		1
Behringer	Ultra DI	Active Single	3



Foldback

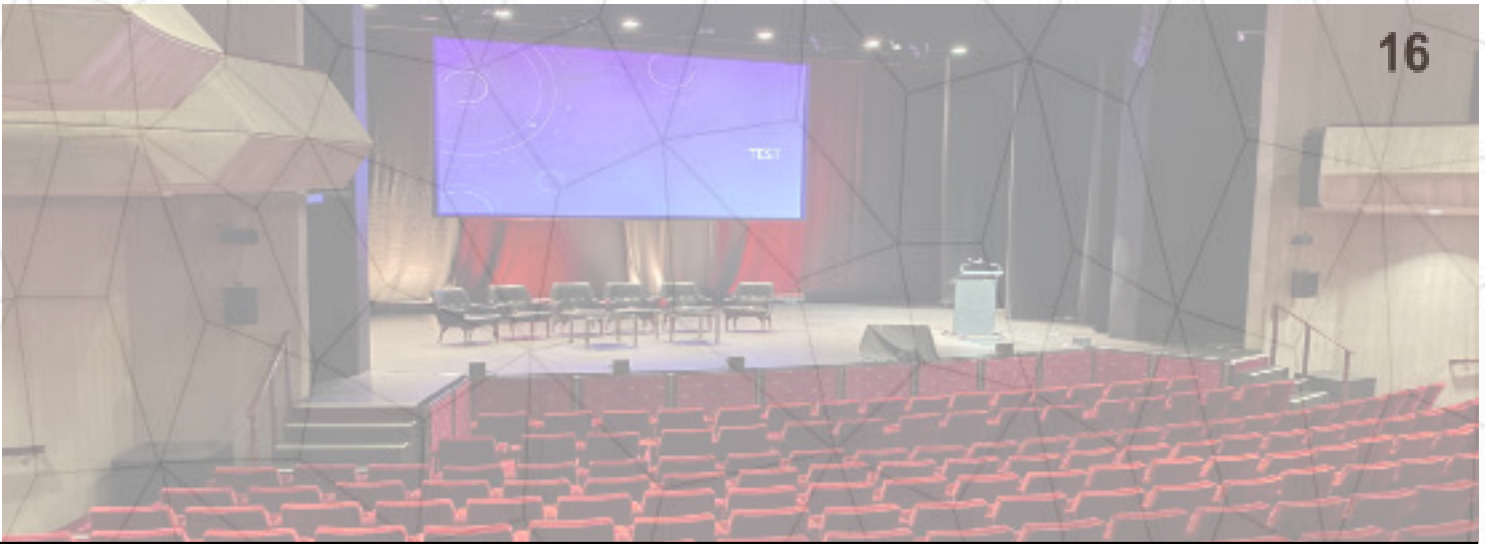
MAKE	MODEL	NOTE	TOTAL
Quest	QM 700 (Left Horn)	600w 8ohm 15” Passive	1
Quest	QM 700 (Right Horn)	600w 8ohm 15” Passive	1
Quest	QM12 (Left Horn)	500w 8ohm 12” Passive	2
Quest	QM12 (Right Horn)	500w 8ohm 12” Passive	2
EV	DML 21818 SUB	8ohm DUAL 18” Passive	1
Quest	QM12	Permanently hung 4m US from SL	2

Playback

NAME	NOTE	TOTAL
MacBook Pro	QLAB 5 (MacBook managed by IT)	1
MacBook Air	QLAB 5 (MacBook managed by IT)	1
iPAD		1
Windows Laptop		1
Behringer	U-PHORIA UMC404HD 4IN/2OUT Interface	1

Accessories

NAME	NOTE	TOTAL
MIC Stand Long		15
MIC Stand Short		5
MIC Stand Straight		4
MIC Stand Kick		2
Speaker Stand		4



Audio Visual

NAME	NOTE	TOTAL
Epson Projector	EB-G7000WNL with Short Throw Lens	1
Panasonic Projector	PT-RZ12K WUXGA (Fixed Position at FOH OPS)	1
Screen	Fixed Cinema Screen	1
Screen	Portable Screen 16:10	1
TV	70" LCD TV Screen / Mounted on truss upright	2

Power

Stage Level (PS)

NAME	NOTE	TOTAL
32amp 3 Phase		1
40amp 3 Phase		1
50amp 3 Phase		1

Dimmer Level (PS)

NAME	NOTE	TOTAL
32amp 3 Phase	Used for venue dimmers	0
40amp 3 Phase	Used for venue dimmers	14
50amp 3 Phase	Used for venue dimmers	0

QPT does not have dedicated audio power

Paging / Show Relay

QPT has zone paging within the theatre to the dressing rooms, green room and the foyer. Controlled by the master stations at SM desk and in the Foyer.

There is a live colour show relay of the stage on TV in dressing room, green room and foyer TV

Stage Managers Desk

The SM desk is a basic desk with house light control, white / blue work light control, house curtain and mid stage curtain motor control and a TV of the show relay.

A portable speaker can be setup which is fed from the feed of the front fills or can be fed from the audio desk if needed.

QPT does not have B/W camera feeds on stage or from FOH

Communications

TYPE	BRAND	TOTAL
Wired Comms	ClearCom	3
Wireless Comms	Green Go	6
2-WAY Radio	Kenwood Nexedge NX-320	8

Backstage

Dressing Rooms

NAME	NOTE	PEOPLE
Dressing Room 1	2 Toilets, 3 Showers, 2 Clothes Racks, TV	13
Dressing Room 2	2 Toilets, 3 Showers, 2 Clothes Racks, TV	13
Dressing Room 3 (Basement)	2 Clothes Racks, TV (NO SHOWER / TOILETS)	10

Green Room

NAME	NOTE	TOTAL
Dressing Room Tables and Chairs		18
Clothes Racks		4
Fridge		1
Kettle	With Tea and Coffee	1
Microwave		1
TV	Show Relay	1
Lounge Chairs		4

Laundry

NAME	NOTE	TOTAL
Dressing Room Tables and Chairs	NO SHOWER / TOILETS	4
Washing Machine		1
Dryer		1
Iron / Ironing Board		1
Steamer		1
Backpack Vacuum		1

Loading Dock

Access via Maitland Street (Note this Street is a **School Zone**)

The loading dock platform can be accessed via both sides and via the ramp

Semi-Trailers may have to reverse down the drive way and use the side of the platform for loading. This is because there is limited turning space on the front side of the platform

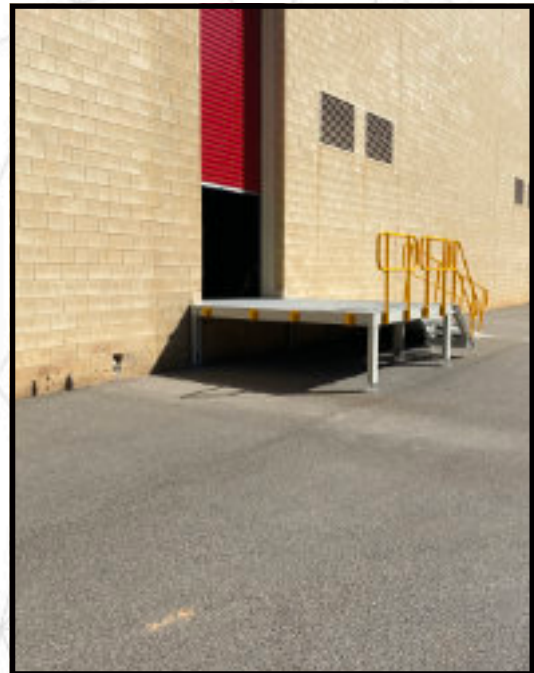
Semi-Trailer Access to be scheduled with Senior Venue Technician prior to arrival.

Loading Dock Height

1.2m

Door Dimensions

5m High by 2.4m Wide



Stage Door Access

Access via Maitland Street.

We are unable to give out keys to the building, to arrange access throughout the day please talk with the Senior Venue Technician.

Staffing

QPT is staffed by two multi skilled full time technicians and 1 to 2 casual junior multi skilled technicians. If your event or show requires more than 4 technicians please contact QPT to talk about options.

MINIMUM CREW	2 CREW (1 FOH TECH / 1 ON STAGE)
MINIMUM HOURS	3 HOURS PER SHIFT
OVERTIME - HOURS	AFTER 8 HOURS AT 150% AFTER 10 HOURS AT 200%
OVERTIME - SUNDAYS	AT 200%
OVERTIME - MIDNIGHT TO 6AM	AT 150%

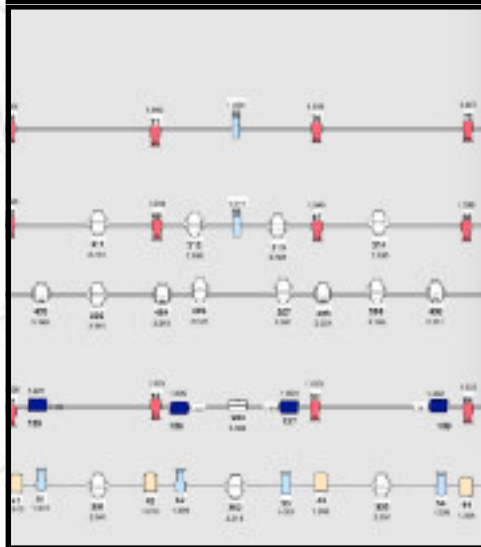
Venue Contacts

QPT TEAM LEADER		SENIOR VENUE TECHNICIAN	
NAME:	Jessica Carlson	NAME:	Brian Gawne
EMAIL:	jessiac2@cgg.wa.gov.au	EMAIL:	briang@cgg.wa.gov.au
PHONE:	(08) 9956 6744 0436 368 905	PHONE:	(08) 9956 6621 0477 931 846
BOX OFFICE AND TICKETING		VENUE TECHNICIAN	
NAME:	Gabrielle Bishop	NAME:	
EMAIL:	GabrielleB@cgg.wa.gov.au	EMAIL:	@cgg.wa.gov.au
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FINANCE			
NAME:	Caroline Drogue		
EMAIL:	CarolineD@cgg.wa.gov.au		
PHONE:	(08) 9956 6635		

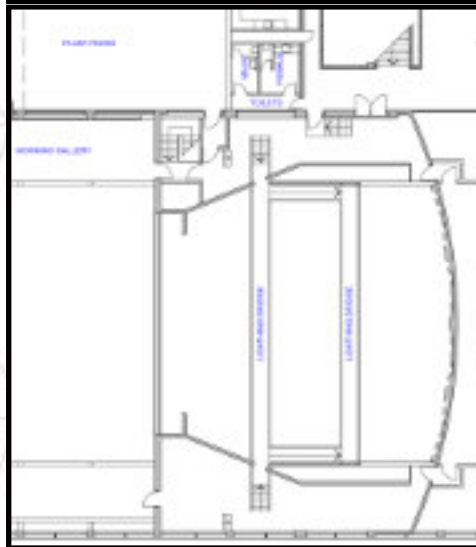
Venue Plans

Venue plans, templates and documentation are available on request

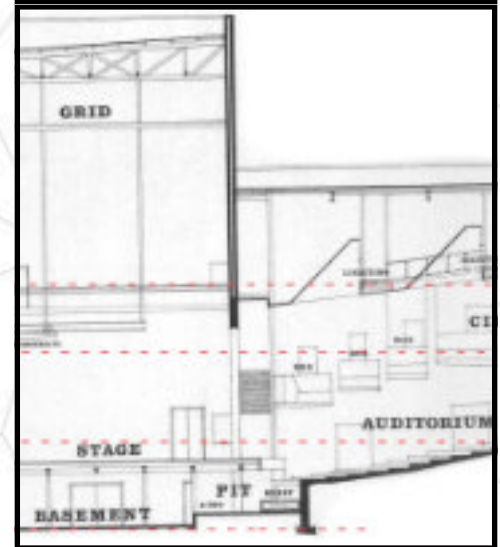
LIGHTING PLOT AND TEMPLATE



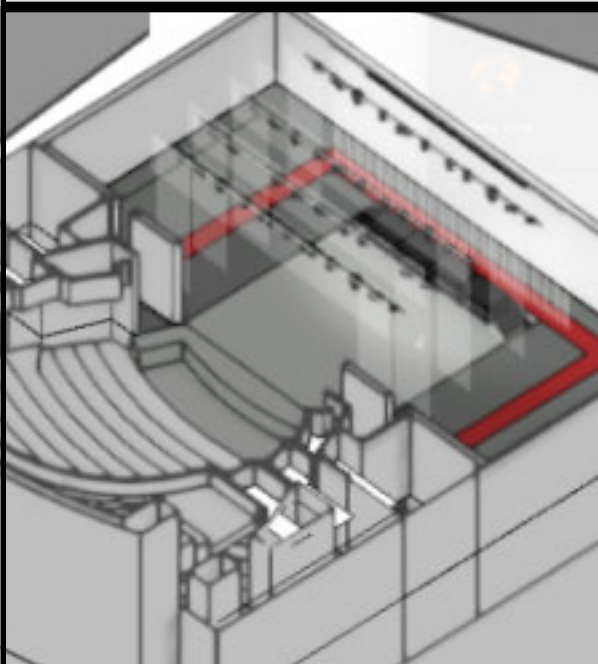
2D BUILDING PLANS



SIDE ELEVATION



3D VECTOR WORKS FILE



GRID INFORMATION

