



A BUSINESS UNIT OF  
MACKAY REGIONAL COUNCIL

# Mackay Entertainment and Convention Centre

## **Technical Specifications**

Updated  
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**Technical Services Coordinator**

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**Venue**

Phone number: 07 4961 9700

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Website: [www.themecc.com.au](http://www.themecc.com.au)

Venue address: Corner Alfred & Macalister Streets

Postal address: PO Box 41, Mackay, Queensland, 4740.

*Additional contact details are located on the final page*

# **STAGING**

## **Brief Stage Description:**

Unraked stage with a proscenium arch and flying facilities. Stage construction is, tongue & groove pine over hardwood bearers sheeted with Masonite. Screwing into surface permitted but larger holes to be authorised by the Technical Services Coordinator or Head of Staging. Stage crossover behind US fly line.

Stage distributed load limit	<b>750kg/m<sup>2</sup></b>
Stage point load limit	<b>450kg</b>
Stage rake	<b>Nil</b>

## **Stage Dimensions:**

### **Proscenium**

Width	<b>12 metres</b>
Height	<b>Variable between 5 &amp; 7 metres</b>

### **Setting Line**

2.4 metres from DS edge of stage to rear of House Curtain

### **Distance From** (*SL = Setting Line, CL = Centre Line*)

SL to DS edge of apron	<b>2.4 metres</b>
SL to DS edge of Orchestra Lift/Pit	<b>6.1 metres</b>
SL to first fly line	<b>200 mm</b>
SL to last upstage fly line	<b>9.95 metres</b>
SL to rear wall	<b>11.5 metres</b>
CL to OP wall (or obstruction)	<b>12.5 metres</b>
CL to PS wall (or obstruction)	<b>11.3 metres</b>
Stage to underside of grid	<b>17.8 metres</b>

### **Overhead Obstructions**

PS & OP Fly gallery to stage floor	<b>7.45 metres</b>
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## **Auditorium:**

Auditorium is stalls only

Seating capacity with additional

Orchestra lift/pit seating installed **1090**

Seating capacity without

Orchestra lift/pit seating installed **1036**

(16 Auditorium seats are removable to accommodate 4 x wheelchairs if required)

## **Orchestra Lift / Pit:**

Electric screw-jack operated orchestra lift

Set positions for orchestra lift where lift at auditorium level is 0mm

Stage level at **1.0 metre** above auditorium.

Orchestra pit level at **2.75 metres** below auditorium.

Lift can be set at any height	<b>YES</b>
SWL of orchestra lift	<b>750kg/m<sup>2</sup></b>
Dimensions of the orchestra pit	<b>Orchestra pit is 12 metres wide x 3.7 metres deep at Centre stage, with a convex front edge</b>
Orchestra pit maximum capacity	<b>30 persons</b>

### **Flying Facilities:**

#### **Fly System**

Single purchase counterweight fly system.

#### **Fly System Details**

Operating Position	<b>PS at Stage Level</b>
Total Number of Lines	<b>53 + House Curtain</b>
Panorama Lines	<b>2 - 1 Bar PS; 1 Bar OP</b>
Batten Drift	<b>17 metres</b>
Batten Type	<b>48mm O/D CHS &amp; 75mm x 50mm RHS</b>
Batten Length	<b>16.4 metres</b>
Batten Extensions	<b>N/A</b>
Batten Pick-ups	<b>(5) Pick-ups, (1) at Centre then others at approximately 3m intervals</b>
Batten Point Load	<b>144 kg</b>
Batten W.L.L.	<b>720 kg</b>
Cradle Capacity	<b>450 kg</b>
LX Bars	<b>600 kg</b>
LX Bars can be swung	<b>YES (with difficulty)</b>
Fly Bars can be swung	<b>YES</b>

SEE HANGING PLOT FOR LINE ALLOCATIONS AND FURTHER INFO

### **Hanging Plot:**

Line Type: **SP** = Single purchase

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

MECC Hanging Plot: as at 14/04/2020

Line	Setting Line	SWL	Venue Allocation	Intended Use
<b>H/C</b>	<b>0.46m</b>	<b>400kg</b>	<b>House / Fire Curtain</b>	<b>***Curtain cannot be moved***</b>
1	0.74m	450kg		
2	0.89m	450kg		
3	1.04m	450kg		

4	1.19m	450kg	Border 1	
5	1.34m	450kg	Legs 1	
6	1.49m	600kg		
8	1.79m	450kg	LX1	
10	2.09m	450kg		
11	2.24m	450kg		
12	2.39m	450kg	AV Screen 5.9 x 4.0m	
13	2.54m	450kg	Border 2	
14	2.69m	450kg	Legs 2	
15	2.84m	450kg	Black Tabs (1/4)	
16	2.99m	450kg		
17	3.14m	450kg		
19	3.44m	600kg	LX 2	
21	3.74m	450kg		
22	3.89m	450kg		
23	4.34m	450kg	Border 3	
24	4.49m	450kg	Legs 3	
25	4.64m	450kg		
26	4.79m	450kg	LX 2A	
27	4.94m	450kg		
28	5.09m	450kg	Black Tabs (1/2)	
29	5.24m	450kg		
30	5.39m	450kg		
31	5.54m	450kg		
32	5.69m	450kg		
33	5.84m	450kg		
34	5.99m	450kg		
35	6.14m	450kg		
36	6.29m	450kg		
37	6.44m	450kg	Border 4	

38	6.59m	450kg	Legs 4	
39	6.74m	450kg		
41	7.04m	600kg	LX3	
43	7.34m	450kg		
44	7.49m	450kg		
45	7.64m	450kg		
46	7.79m	450kg	Black Tab (3/4)	
47	7.94m	450kg		
48	8.09m	450kg	Border 5	
49	8.24m	450kg	Legs 5	
50	8.69m	450kg		
51	8.84m	450kg		
53	9.14m	450kg	LX 4	
55	9.44m	450kg		
57	9.74m	450kg	Flood Bar	
58	9.89m	450kg		
59	10.04m	450kg		
60	10.19m	450kg		
61	10.34m	450kg	Black Tab (Full)	
62	10.49m	450kg	Cyclorama	
63	10.64m	450kg	O.P. Panorama bar	
64	10.79m	450kg	P.S. Panorama bar	

**Drapery:**

<b><u>Drape Stock</u></b>	<b><u>Qty.</u></b>	<b><u>Size W x H</u></b>	<b><u>Fabric &amp; Fullness</u></b>
Black Gauze	1	16m x 8m	Sharks Tooth Gauze
White Gauze	1	15.5m x 8m	Sharks Tooth Gauze
Cyclorama New	1	16m x 8m	White Filled Cloth
Cyclorama Old	1	16m x 8m	White Filled Cloth (Yellowing)
Black Tabs	8	9m x 8.3m	Wool / 50% Fullness
Legs	10	3m x 8.5m	Wool / 50% Fullness
Borders	5	16mx 3.5m	Wool / 50% Fullness

### **Materials Handling:**

#### **Komatsu Electric Forklift FB20A-12**

Rated Capacity 2000kg

#### **2 x Hand Pallet Trucks**

Rated Capacity 2500kg

#### **1 x Hand Pallet Trucks (Narrow)**

Rated Capacity 1500kg

### **Height Access Equipment:**

#### **Elevated Work Platforms**

##### **JLG Electric Scissor Lift 3246 ES**

Platform Height - 9.68 metres

Working Height - 11.68 metres

##### **JLG Electric Mast Lift 20MVL**

Platform Height - 5.94 metres

Working Height - 7.77 metres

##### **Haulotte Electric Mast Lift QU12 DC**

Platform Height – 10.3 metres

Working Height – 12.3 metres

#### **Ladders**

Fibreglass Double Sided 'A' Frame, 3.6 metres

Fibreglass Single Sided (dual), 'A' Frame - 2.4 metres, Straight – 4.4 metres

Fibreglass Double Sided 'A' Frame, 1.8 metres

Fibreglass Double Sided 'A' Frame, .5 metres

### **Staging Units:**

#### **Plenary Halls**

##### **Sico Fold N Set (910mm to 1370mm)**

**Stage Load Limit:** 610kgm<sup>2</sup> + 10% sway

1.2m x 2.4m – 9 Decks = 7200kg + 720kg sway on a single frame

42 x dual sided decks (black carpet one side/ tuff deck other) 2.4m x 1.2m

16 x Frame Units

13 x 2.4m Hand Rails

4 x 1.2m Handrails  
4 x 7 Step Tread Units  
2 x 5 Step Tread Units  
Masking for 3 sides of full stage

### **Disabled Stage Access**

Ascension Wheelchair Lift

### **Meeting Rooms**

#### **Sico Tri-Height Stage (460mm, 610mm, 760mm)**

**Stage Load Limit:** 766kgm<sup>2</sup> + 10% sway

1.8m x 2.4m stage + 3383kg + 338kg sway

2 x Stage Units 2.4m x 1.8m  
2 x 4 Step Tread Unit  
Masking for all 4 sides

### **North Foyer Stage**

#### **Prostage (600mm to 900mm)**

10 x Prostage Folding Leg Unit 2m x 1m  
5 x Prostage Bridging Unit  
Masking and treads to suit  
(Positioned in corner of room - stage is triangle in shape)

### **Additional Staging**

20 x Prolyte Stagedex - 2m x 1m  
40 x 300mm Legs  
80 x 450mm Legs  
24 x 600mm Legs  
80 x 750mm Legs  
80 x Adjustable Legs 900mm x 1400mm  
2 x Tread Unit @ H600mm

### **Rostra Boxes**

15 x L2m x H150mm x W500mm  
8 x L1m x H150mm x W500mm

### **Rigging:**

### **Plenary Halls**

#### **Chain hoists**

16 x Prolyft 1t Chain Hoists (15m Chain)  
4 x Prolyft 1t Chain Hoists (20m Chain)  
4 x Prolyft 0.5t Chain Hoists (20m Chain)

**Truss**

17 x 2m Prolyte S36R Box Truss  
 22 x 3m Prolyte S36R Box Truss  
 12 x S36R 6-Way Box Corner

**Load Monitoring**

10 Channel load cell system

**North Foyer**

Static Tri Truss Grid

**Lynette Denny Space**

Static 48mm O/D SHS Grid

**Assorted Rigging**

500kg, 750kg, 1t, 2t, 3.25t and 4.75t Shackles  
 2t Black SpanSet Steel-Tex Stage Slings  
 Snotter Straps

**LOADING DOCKS:****Access**

Vehicle access to docks from Macalister St

**Main Auditorium – Located Opposite Prompt**

Loading Dock Height	<b>0.6 metres</b>
External Door Dimensions	<b>6.0 metres</b> high <b>3.6 metres</b> wide
Internal Door Dimensions	<b>5.7 metres</b> high <b>2.8 metres</b> wide

**Convention Centre – Flat Floor**

External Door Dimensions	<b>5.3 metres</b> high <b>5.8 metres</b> wide
Internal Door Dimensions	<b>5.9 metres</b> high <b>5.9 metres</b> wide



# **LIGHTING**

## **LIGHTING – Venue Stock**

### **MOVERS:**

Make	Model	Detail / Accessories	Venue	QTY
ROBE	ROBIN Forte		Halls	12
ROBE	ROBIN Spider		Halls	18
ROBE	ROBIN Pointe		Halls	8
ROBE	ROBIN BMFL Followspot		Halls	1
Clay Paky	Mini B	Room Theming	HALLS	36
ROBE	ROBIN DL7S		Auditorium	18
ROBE	ROBIN DL7F		Auditorium	18
ROBE	ROBIN Forte		Auditorium	8
ROBE	ROBIN 600 LED Wash		Auditorium	12
ROBE	ROBIN BMFL Followspots		Auditorium	2
ROBE	ROBIN LED Beam 150 FW		NTH Foyer	8
ROBE	ROBIN DLX		NTH Foyer	6
ROBE	ROBIN DLX		SPARE	20
ROBE	ROBIN Pointe		SPARE	20
ROBE	ROBIN LED Beam 150		SPARE	20

### **PROFILES**

Make	Model	Detail / Accessories	Venue	Wattage	QTY
ETC	Lustr 2	15-30 Lens Balancing Yoke	Auditorium		48
ETC	Lustr 2	26 Degree	Auditorium		10
ETC	Lustr 2 TUNGSTEN	15-30 Lens Balancing Yoke	Auditorium		6
ETC	Lustr 2	15-30 lens	Halls		24
ETC	Source 4 15-30	15 – 30 Lens	Space	750	8
Selecon	Pacific	14-35 lens	NTH Foyer	1000	6
Selecon	Pacific	23-50 lens	NTH Foyer	1000	4
ETC	Source 4 15-30 degree	Balancing Yoke	SPARE	750	30
ETC	Source 4 10 degree	N/A	SPARE	750	6
ETC	Source 4 26 degree	N/A	SPARE	750	12
ETC	Source 4 JNR 25-50	N/A	SPARE	750	12
Selecon	Pacific 12-28	N/A	SPARE	750	28
Selecon	Pacific 23-50	N/A	SPARE	750	8

### **WASH**

Make	Model	Detail / Accessories	Venue	Wattage	QTY
Selecon	Arena	Barndoors	SPARE	2000	36
Selecon	Acclaim	Barndoors	Space	650	16
	Cantata	Barndoors	Auditorium	1200	4
KUPO	Multipar			575	12
	Par 64				20

## Special Effects

Make	Model	Detail / Accessories	Venue	Wattage	QTY
ACME	UV-400	UV cannon	Spare	<b>400</b>	<b>2</b>
ACME	ST-1000	LED Strobe	Spare	<b>LED</b>	<b>4</b>
	Mirror Ball	36"	Spare		<b>1</b>
	Mirror Ball	12"	Spare		<b>2</b>
Martin	Atomic 3000 LED	Strobe	Spare	<b>LED</b>	<b>8</b>
Chauvet	Strike 4	Blinder	Spare	<b>LED</b>	<b>8</b>
MDG	ATMe Hazer	Hazer	Spare	<b>1800</b>	<b>2</b>
MDG	ICE fog Compaq	Low Fog	Spare	<b>2000</b>	<b>1</b>
Martin	JEM ZR44	Smoke	Spare	<b>2000</b>	<b>2</b>
Showled	Star Drape	8.5m x 6 meter All control			<b>3</b>

## Lighting Auditorum

### POSITIONS:

*See hanging plot for standard LX bar locations*

#### Orchestra Lighting Bar

Setting Line to lighting bar **6.5 meters @ 75°**  
Usable bar width **12 Meters**

#### FOH Bridge #1

Setting Line to lighting bar **9.5 metres @ 60°**  
Usable bar width **12 metres**

*Please note that this bridge has a very limited use due to new PA and Orchestra Lighting bar installation.*

#### FOH Bridge #2

Setting Line to lighting bar **15 metres @ 45°**  
Usable bar width **12 metres**

#### FOH Bridge #3

Setting Line to lighting bar **19 metres @ 30°**  
Usable bar width **12 metres**

#### FOH 'Rose' Bar

Setting Line to lighting bar **28 metres @ 10°**  
Usable bar width **6 metres**

*Please note that this bar is fitted with moving fixtures (Robe DL7S) now due to WH&S and is unable to be altered.*

#### FOH Perches (PS & OP)

Setting Line to FOH Perch **13 metres @ 60° (two per side)**  
*Distances are to the highest downstage point of boom or perch.*  
Maximum lanterns per perch **3 x 1kW profiles**

#### FOH Booms (PS & OP)

Setting Line to FOH Boom **7.5 metres @ 45°**  
*Distances are to the highest downstage point of boom or perch.*  
Maximum lanterns per boom **4 x 1kW profiles**

**CONTROL:**

Lighting desk	<b>Grand MA 2 Full Size</b>
Signal distribution	<b>Pathport DMX / ETHERNET Nodes</b>
	<b>IP RANGE (10.0.0.X)</b>
	<b>Supports</b>
	- Strand Shownet
	- Pathport Protocol
	- ArtNet
	- sACN/Net3
	- Ki-Net

**DIMMERS:**

Dimmer Locations	<b>Dimmer room located off OP Box Boom Position / Fly Floor</b>
20A Dimmer Racks	<b>6 x 24 (144 Channel Total) LSC EKO (installed)</b>
10A Dimmer Racks	<b>10 x 12-way (120 Channel Total) State Automation Solution Cool – Switchable Power Control (installed)</b>
	<b>1 x 12-way LSC EPRO 10amp dimmer</b>

**LX POWER:**

Midstage O/P - 3 x 50A 3 Phase Outlets, or 1 x 160A / Leg (hard wired)
Prompt Corner - 1 x 32A 3 Phase Outlet
Workshop - 2 x 32A 3 Phase Outlets (15 metres from US OP)
Rear Auditorium - 1 x 32A 3 Phase Outlet
Dimmer Room - 4 x 32A 3 Phase Outlets

**CABLING:**

The theatre has a good stock of Socapex Looms, Three Phase / 240V extension cables of varying lengths.

**HOUSE LIGHTS:**

Control	<b>DMX control</b>
Control Positions	<b>Stage Manager Console, rear of auditorium (LX position).</b>
Fade time adjustable	<b>From LX desk only</b>

**STANDARD RIG:**

Make	Model	Detail / Accessories	Wattage	QTY
ROBE	ROBIN DL7S	Moving Profile		<b>18</b>
ROBE	ROBIN DL7F	Moving Fresnel		<b>18</b>
ROBE	ROBIN Forte	Moving Profile		<b>8</b>
ROBE	ROBIN 600Led wash	Moving Wash		<b>12</b>
ETC	LUSTR 2 15-30 degree	LED Profile		<b>48</b>
ETC	LUSTR 2 26 degree	LED Profile		<b>10</b>
ETC	LUSTR 2 Tungsten 15-30	LED tungsten profile		<b>6</b>
ETC	ColorSource CYC	CYC Wash		<b>28</b>
	Cantata	Fresnel		<b>4</b>

**PATCHING:**

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
FOH Bridge 3	20	1 - 20	18, 19, 20 are 20A
FOH Bridge 2	30	21 - 50	48, 49, 50 are 20A
FOH Bridge 1	30	51 - 80	78, 79, 80 are 20A
Perch 3 PS	8	81 - 88	81, 82 are 20A
Perch 3 OP	8	89 - 96	89, 90 are 20A
Perch 2 PS	8	97 - 104	97, 98 are 20A
Perch 2 OP	8	105 - 112	105, 106 are 20A
Perch 1 PS	12	113 - 120, 284 - 287	113, 114, 284, 285 are 20A
Perch 1 OP	12	121 - 128, 288 - 291	121, 122, 288, 289 are 20A
OP Fly Floor	14	129 - 148	129, 130, 131, 132 are 20A
	20	161 - 180	161, 162, 163, 164 are 20A
	10	181 - 190	181, 182 are 20A
	10	191 - 200	191, 192 are 20A
	10	201 - 210	201, 202, 203, 204 are 20A
	10	231 - 240	231, 232 are 20A
	5	241 - 245	241, 242 are 20A
	5	246 - 250	246, 247 are 20A
PS Fly Floor	10	211 - 220	211, 212 are 20A
	5	221 - 225	221, 222 are 20A
	5	226 - 230	226, 227 are 20A
PS Dip trap DS	5	251 - 255	251, 252 are 20A
PS Dip trap MS	5	256 - 260	256, 257 are 20A
PS Dip trap US	5	261 - 265	261, 262 are 20A
OP Dip trap DS	5	266 - 270	266, 267 are 20A
OP Dip trap MS	5	271 - 275	271, 272 are 20A
OP Dip trap US	5	276 - 280	276, 277 are 20A
Orch Lift Dip trap	2	292, 293	
	2	294, 295	

## **LIGHTING – Convention Centre**

### **CONTROL:**

Lighting desk: **Grand MA3 Light  
Grand MA2 On PC**

Signal distribution: **Fully patchable DMX distribution system to any point in the halls  
Networkable Lighting System  
IP ADDRESS RANGES (10.50.1.X)  
Luminex GIGACORE Switches  
3 x Luminex Luminode 12  
2 x Luminex Luminode 4**

### **LX POWER:**

3 x 400A supply Litton Veam Powerlock  
Multiple 32A & 40A 3 Phase Supplies (Catwalks / Floor Boxes)

### **POWER DISTRIBUTION & Dimming:**

2 x Jands 400A PD453 (4 x 50A Outlets)  
9x LSC APS 12 Channel 40A 3 Phase (96 Outlets Total)  
6 x LSC Epro/T 12 Channel Dimmer Racks (72 Channels Total) 40A 3 phase connectors  
2 x JANDS HPC 12 (12 x 10 amp switchable outlets)

### **CABLING:**

The Centre has a good stock of Socapex Looms, Three Phase / 240V extension cables of varying lengths.

### **STANDARD RIG:**

<b>Make</b>	<b>Model</b>	<b>Detail / Accessories</b>	<b>Wattage</b>	<b>QTY</b>
ROBE	Robin Forte			<b>12</b>
ROBE	Robin Spider			<b>18</b>
ROBE	Robin 600 LED wash			<b>12</b>
ROBE	Robin Pointe			<b>8</b>
ETC	Lustr 2	15-30 Lens		<b>24</b>
Showtec	PIXPAD	4x4 pixel grid		<b>12</b>
Clay Paky	Mini B	Room Wash Fixture		<b>36</b>

**LIGHTING – North Foyer****CONTROL:**

Lighting desk Options:

**Grand MA2 Ultra-Light  
Grand MA 2 on PC wing****DIMMERS:**

10A Dimmer Racks

**1 x 12way State Automation Solution Cool – Switchable  
Power Control (installed)  
3 x 12 Way Jands HP12****LX POWER:**

2 x 32A 3 Phase Outlets

**CABLING:**

The theatre has a good stock of Socapex Looms, Three Phase / 240V extension cables of varying lengths.

**STANDARD RIG:**

Make	Model	Detail / Accessories	Wattage	QTY
ROBE	Robin DLX			6
ROBE	Robin LED Beam 150 FW			8
Lite craft	20FC LED Par			8
Selecon	Pacific 14-35			6
Selecon	Pacific 23-50			4
Kupo	Multipar			12

**LIGHTING – Lynette Denny Space****CONTROL:**

Lighting desk Options

**Grand MA1 Ultra-Light  
ETC SmartFade ML (2)****DIMMERS:**

10A Dimmer Racks

**2 x 12way State Automation Solution Cool – Switchable  
Power Control (installed)****LX POWER:**

Space Mezzanine

**3 x 32A 3 Phase Outlets****CABLING:**

The theatre has a good stock of Socapex Looms, Three Phase / 240V extension cables of varying lengths.

**STANDARD RIG:**

Make	Model	Detail / Accessories	Wattage	QTY
ETC	Source 4	15-30 Lens	750	8
Selecon	Acclaim	Fresnel	650	16

# **AUDIO**

## **CONTROL POSITIONS:**

### **Auditorium**

Located in centre of rows X, Y, & Z at rear of stalls

### **Plenary Halls A & B**

Where required

### **North Foyer**

In front of bar facing stage

### **Other**

Prompt Corner

## **AUDIO CONSOLES:**

### **Primary**

#### **Auditorium**

1 x Avid S6L -24D

#### **Plenary Halls A & B**

2 x Avid S6L -24D

#### **North Foyer**

Avid S6L-16C

### **Secondary**

1 x Avid S3L

1 x Allen & Heath QU16 Digital mixing desk

2 x Yamaha TF1

1 x Mackie DL1608 – iPad Mixer

## **SYSTEM PROCESSING:**

### **Auditorium**

1 x D&B Audiotechnik R1

### **Plenary Halls A & B**

1 x D&B Audiotechnik R1

### **North Foyer**

1 x D&B Audiotechnik R1

**Monitors**

4 x DS10

**Floating PA**

1 x DS10

**AMPLIFICATION:**

**Auditorium**

5 x D&B Audiotechnik D30

**Plenary Halls A & B**

9 x D&B Audiotechnik D30

**North Foyer**

2 x D&B Audiotechnik D30

**Lynette Denny Space**

1 x Camco Vortex 6 (Temporary)

**Floating system**

1 x D&B Audiotechnik D20 with DS10 processing

**Monitors**

4 x D&B Audiotechnik D20 with DS10 processing

**Backup**

3 x D&B Audiotechnik D30

**SPEAKERS:**

**FOH Speakers**

**Auditorium LCR configuration**

14 x D&B Audiotechnik Yi8

10 x D&B Audiotechnik Yi12

4 x D&B Audiotechnik V-SUB

2 x D&B Audiotechnik B22-SUB

**Apron Fill**

6 x D&B Audiotechnik E5

**Side Fill**

2 x D&B Audiotechnik Yi10P



### **Plenary Halls A & B**

(System can be split to service both halls)

Hall B (main system)

16 x D&B Audiotechnik Y8

4 x D&B Audiotechnik Y10

6 x Y-Sub

Hall A (Delay system)

10 x D&B Audiotechnik Y8

2 x D&B Audiotechnik Y10

### **North Foyer LCR configuration**

4 x D&B Audiotechnik Yi10P

2 x D&B Audiotechnik Yi7P

4 x D&B Audiotechnik 18S-SUB

### **Front Fill**

4 x D&B Audiotechnik 5S

### **Lynette Denny Space**

2 x Nexo GEO S1230

### **Floating System**

2 x D&B Audiotechnik Y10P

2 x D&B Audiotechnik Y-SUB

### **Monitors**

8 x D&B Audiotechnik M4

8 x D&B Audiotechnik M6

2 x Shure PSM 1000 IEM (with 6 P10R beltpacks)

### **Other**

2 x JBL EON G2 (Powered)

10 x Live Mix Personal monitor system

8 x Nexo PS10

8 x Nexo PS15

### **PLAYBACK:**

1 x Denon DN-2000 F MkIII

### **Recording:**

1 x Denon ND-500R USB recorder

**MICROPHONES:**

Make	Model	Detail / Accessories	Use	Total
Shure	Axient	Wireless Systems	Vocals	8
Shure	U2 MA87	Antenna Signal Amplifier		2
Shure	ADX1	Belt Pack Transmitters		20
Shure	ADX1M	Mini Belt Pack Transmitters		4
Shure	ADX2 KSM8	Handheld Transmitter		4
Shure	ADX2 Beta 98	Handheld Transmitter		4
Shure	ADX2 SM58	Handheld Transmitter		4
Countryman	WCE6T	Earset		27
Point Source	CO-8WS	Earset		18
Point Source	EO—8WL	Earset/lavalier		8
Sennheiser	MK2	Lapel Microphone		2
Sennheiser	MK2 Gold	Lapel Microphone		6
Sennheiser	E904			4
Sennheiser	E906			4
Shure	Beta 91a			10
Shure	Beta 91			1
Shure	Beta 52			1
Shure	Beta 98 D/S			4
Shure	Beta 56			3
Shure	Beta 57			10
Shure	Beta 58A			8
Shure	Beta 87			2
Shure	SM 57			14
Shure	SM 58			4
Shure	PG48	Switchable		2
Shure	KSM141			4
Shure	KSM137			2
AKG	C3000			1
AKG	C568 EB	Shotgun Microphone		4
Shure	MX 418-S	Lectern Microphone		7
EV	CT 30	Boundary		1
Rode	NT5			10
EV	RE92H	Choir Microphone		4
DPA	4021 (Pair)	Piano Kit		2
Beyer	M88			2
DPA	4099			10
ARX	Audibox	USB DI		4
Aust Monitor	AMIS-DI 1	Passive DI		1
Radial	PC MK3	Stereo DI		1
Radial	PRO AV 1			2
Radial	PRO AV 2			
Radial	PRO D2	Passive DI		8
Radial	PRO D1	Passive DI		8
Radial	JPC			1

## **CABLING:**

The theatre has an extensive stock of microphone and speaker cable to accommodate the venue's own equipment.

## **MULTICORE:**

### **Auditorium**

1 x Avid Stage 64 (I/O 48/16)

### **Prompt & OP**

12 Input stage box

8 Return lines

### **Plenary Halls A & B**

1 x Avid Stage 64 (I/O 48/16)

2 x Avid Stage 16 (I/O 16/8)

48 Input

16 Return

(Over fibre network)

(CAT 6 network also available)

### **North Foyer**

2 x Avid Stage 16 (I/O 16/8)

8 Input stage box

4 Return lines

### **Other**

4 x 4-way NL4 Multicore (2 x 10m, 2 x 20m)

## **AUDIO POWER:**

### **Auditorium**

100A Supply - (1 x 32A 3 Phase Outlet PS, 1 x 32A 3 Phase Outlet OP, 2 x 32A 3 Phase Outlets Auditorium Comms Room).

### **Plenary Halls**

400A Supply Litton Veam Powerlock

Multiple 32A & 40A 3 Phase Supplies (Catwalks / Floor Boxes)

### **North Foyer**

1 x 32A 3 Phase Outlets (Upstage Centre)

### **Distribution**

1 x Jands 400A PD453 (4 x 50A Outlets)

8 x Powerwise PD 620

## **AUDIO VISUAL**

### **PROJECTION:**

#### **Plenary Halls**

3 x Christie D13WU-HS projector, 16:9 Native Aspect Ratio, 13500 ANSI Lumens  
Lens Option: 1.2-1.5 zoom lens and 1.02-1.36 zoom lens

#### **Auditorium**

1 x Christie Griffyn 4k projector, 16:9 Native Aspect Ratio, 32000 ANSI Lumens  
Lens Option: Full Cyc or AV screen  
(Projector rigged on 'Rose' bar at rear of Auditorium)

#### **Meeting Room 1**

1 x Hitachi CPWU8600W Projector, 6000 ANSI Lumens

#### **Meeting Room 2**

1 x Hitachi CPWU8600W Projector, 6000 ANSI Lumens

#### **Meeting Room 3**

1 x Hitachi CPWU8600W Projector, 6000 ANSI Lumens

#### **Meeting Room 4**

1 x Hitachi CPWU8600W Projector, 6000 ANSI Lumens

#### **North Foyer**

1 x Epson EB-G7905UNL Projector, 7000 ANSI Lumens

#### **Space**

1 x Epson EB-C760X Projector, 2000 ANSI Lumens

### **PROJECTION SCREENS:**

#### **Auditorium**

1 x Draper Truss Cinefold 5.9 x 3.6 meter, 16:9 Aspect Ratio, Front Projection Screen.

#### **Plenary Halls**

2 x ElectricCinema XL 4.5 x 2.5 metre, 16:9 Aspect Ratio, Front Projection Screen.  
1 x Draper Truss fast fold 4m, 16:9 Aspect Ratio, Front Projection Screen

**Meeting Room 1**

1 x Motorised Front Projection Screen 16:10 Aspect Ratio 3.9m x 2.4m

**Meeting Room 2**

1 x Motorised Front Projection Screen 16:10 Aspect Ratio 3.9m x 2.4m

**Meeting Room 3**

1 x Motorised Front Projection Screen 16:10 Aspect Ratio 3.9m x 2.4m

**Meeting Room 4**

1 x Motorised Front Projection Screen 16:10 Aspect Ratio 3.9m x 2.4m

**North Foyer**

1 x Motorised Front Projection Screen 16:10 Aspect Ratio

**Space**

1 x Motorised 2.4 x 2.4 meter, 4:3 Aspect Ratio, Front Projection Screen.

**Other**

2 x Draper Truss Cinefold 6.4 x 3.8 metre, 16:9 Aspect Ratio, Front Projection Screen

**AV PLAYBACK:**

Item	Make	Model	Detail	Total
PC	various	Various	Media Server	<b>2</b>
Blu-ray Player	Sony		Domestic	<b>1</b>

**VISION MIXING / SWITCHING:**

3 x Roland V160HD Digital Vision Mixer  
 1 x Roland V800HD Digital Vision Mixer  
 1 x Roland V-1SDI Digital Vision Mixer  
 2 x Data Video TLM-702, Rack Mount LCD Preview Monitors  
 2 x PC based Media server

3 x Kramer VP-773A Digital switcher / scaler  
 2 x Kramer VP-727/VP-727T, WXVGA/DVI Output

## **DISPLAY PANELS:**

### **Fixed Digital Signage**

(All fixed screens have their own video servers running Kramer Digital signage display software, unless otherwise indicated).

Most formats supported to 16x9 size to be provided by Kramer MP1 for display monitor screens.

### **Plenary Hall A Entry**

1 x 32" LCD Panel

### **Plenary Hall B Entry**

1 x 32" LCD Panel

### **Meeting Room 1 & 2 Entry**

1 x 32" LCD Panel

### **Meeting Room 3 & 4 Entry**

1 x 32" LCD Panel

### **South Foyer Bar**

1 x 50" LCD Panel

### **South Foyer Registration**

1 x 50" LCD Panel

### **South Foyer Box Office**

1 x 65" LCD Panel

### **North Foyer Box Office**

1 x 50" LCD Panel

### **North Foyer**

2 x 50" LCD Panel

### **Mobile Display Panels:**

4 x 50" LCD Panel in road case with electric lift

## **FLOATING EQUIPMENT:**

6 x HP Laptops

2 x Panasonic UB2315C, Electronic White Boards

**CABLING:**

The theatre has a good stock of SDI and HDMI cable to accommodate the venue's own equipment.

**BACKSTAGE****STAGE MANAGERS CONSOLE:**

Stage Managers desk located in prompt corner. The desk has limited movement within this area and is fitted with:

- Desk Lights
- Paging Mic
- Internet (ADSL) On request
- Talkback Master Stations

**TALKBACK:****Auditorium**

- Master Unit - 1 x Clear-Com MS702 (2 Channel)
- 10 x RS703 2 Ch. Belt Packs
- 2 x Clear-Com Squawk Box, (Control room / FOH Audio)
- 2 x Clear-Com HB 702 2 Ch. Wall box (Dome position)

- Wireless Master Unit – Clear-Com Freespeak 2
- 8 x Clear-Com Freespeak 2 beltpack

**Talkback Patching Locations**

- SM Console
- P/S Fly Rail
- Prompt Corner D/S
- OP D/S
- Fly Galleries
- Row L
- FOH Mix Position
- Control Room
- FOH Bridge #3 Follow spots (2)

**Plenary Halls**

- 1 x Telex BTR700 wireless radio comms
- 4 x TR 700 Wireless Packs

**PAGING / SHOW RELAY:**

Backstage paging is available from the stage managers console.  
Paging and show relay is distributed to all dressing rooms, backstage corridors, studio space and green room.

**MONITORS:**

Located at: Dressing Rooms, Green Room, Foyer, Auditorium Doors, SM Position, Prompt and O/P. Camera located at the centre of the FOH 'Rose' Bar.

**DRESSING ROOMS:**

Dressing Room	Capacity	Toilets	Shower	Details
1	2	Yes	Yes	Attached to Space Theatre
2	2	Yes	Yes	Attached to Space Theatre
3	4	Yes	Yes	
4	4	Yes	Yes	
5	6	Yes	Yes	
6	20-30	Yes	Yes	Upstairs
7	20-30	Yes	Yes	Upstairs

**LAUNDRY / WARDROBE:**

1 x Washing Machine  
1 x Dryer  
Drying Rooms                      **N/A**  
Iron / Ironing Board              **1 of each**  
Clothes Racks                      **1 or 2 per room**

**PRODUCTION FACILITIES:****Production Desk**

Production Desk set-up in centre of stalls (Row L). This table can accommodate up to 4 people with talkback available on request.

**Greenroom**

Tea / Coffee Facilities              **YES**  
Fridge / Freezer                      **YES**  
Microwave                              **YES**  
Running Hot/Cold Water              **YES**

**Stage Door Access**

Stage Door is located beside the loading dock on Macalister St.  
Access during bump-in / out will be controlled by the Venue Supervisor.



## **ADDITIONAL FACILITIES & INFORMATION:**

### **Orchestral**

Steinway Concert Grand Piano Model D (Auditorium only)  
 Yamaha S5XPE Grand Piano  
 Yamaha WX5 Upright Piano  
 Pailing Bros. Upright Piano

### **Backline**

1 x Fender Twin Reverb Combo Guitar Amplifier  
 1 x Hartke KM200 Keyboard Amplifier  
 1 x Ampeg SVTPROU, Bass Amp Head  
 1 x Ampeg SVT410HE, 4 x 10" Bass Speaker Cabinet  
 1 x Ampeg SVT15E, 1 x 15" Bass Speaker Cabinet

### **Ballet Barres**

2 x 3.6m

## **STAFF CONTACTS:**

### **Head of Audio / Visual**

Phone Number: 07 4961 9710  
 Email Address: [mark.blake@mackay.qld.gov.au](mailto:mark.blake@mackay.qld.gov.au)

**Mark Blake**

### **Head of Lighting**

Phone Number: 07 4961 9713  
 Email Address: [daniel.grace@mackay.qld.gov.au](mailto:daniel.grace@mackay.qld.gov.au)

**Dan Grace**

### **Head of Staging**

Phone Number: 07 4961 9712  
 Email Address: [steven.newitt@mackay.qld.gov.au](mailto:steven.newitt@mackay.qld.gov.au)

**Steven Newitt**

### **Venue Supervisor**

Phone Number: 07 4961 9716

### **Box Office & Administration Coordinator**

Phone Number: 07 4961 9749  
 Email Address: [kristy.daly@mackay.qld.gov.au](mailto:kristy.daly@mackay.qld.gov.au)  
 Fax Number: 07 4961 9778

**Kristy Daly**

## **VENUE INFORMATION:**

The Mackay Entertainment & Convention Centre operates nine performance / conference spaces. The main auditorium is a traditional theatre space with seating for 1090 people. The studio Space has retractable seating for 100 people. While the spacious North Foyer seats 350 theatre style and 300 around tables.

