



A BUSINESS UNIT OF  
MACKAY REGIONAL COUNCIL

# Mackay Entertainment and Convention Centre

## **Technical Specifications**

Updated  
3/03/2017

### **Technical Services Coordinator**

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**Corby Stuart**

### **Production Services Team**

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### **Lenine Millard & Leah Edwards**

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### **Venue**

Phone number: 07 4961 9700  
Fax number: 07 4961 9778  
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 counter weight 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 SHS &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 21/4/2015**

<b>Line #</b>	<b>Distance from rear of proscenium</b>	<b>Type</b>	<b>W.L.L</b>	<b>Venue Allocation</b>	<b>Intended Use</b>
<b>H/C</b>	0.46m	SP	400kg	House Curtain	
1	0.74m	SP	450kg		
2	0.89m	SP	450kg	Border	
3	1.04m	SP	450kg	Leg	
4	1.19m	SP	450kg		
5	1.34m	SP	450kg		
6	1.49m	SP	600kg	LX 1	
8	1.79m	SP	450kg		
10	2.09m	SP	450kg		
11	2.24m	SP	450kg	AV Screen	

12	2.39m	SP	450kg		
13	2.54m	SP	450kg	Border	
14	2.69m	SP	450kg	Leg	
15	2.84m	SP	450kg	¼ stage Tab	
16	2.99m	SP	450kg		
17	3.14m	SP	450kg		
19	3.44m	SP	600kg	LX 2	
21	3.74m	SP	450kg		
22	3.89m	SP	450kg		
23	4.34m	SP	450kg	Border	
24	4.49m	SP	450kg	Leg	
25	4.64m	SP	450kg		
26	4.79m	SP	450kg	LX 2A	
27	4.94m	SP	450kg		
28	5.09m	SP	450kg	½ stage Tab	
29	5.24m	SP	450kg		
30	5.39m	SP	450kg		
31	5.54m	SP	450kg		
32	5.69m	SP	450kg		
33	5.84m	SP	450kg	Border	
34	5.99m	SP	450kg	Leg	
35	6.14m	SP	450kg		
36	6.29m	SP	450kg	LX 3	
37	6.44m	SP	450kg		
38	6.59m	SP	450kg		
39	6.74m	SP	450kg		
41	7.04m	SP	600kg		
43	7.34m	SP	450kg		
44	7.49m	SP	450kg		
45	7.64m	SP	450kg	¾ stage Tab	
46	7.79m	SP	450kg		
47	7.94m	SP	450kg		
48	8.09m	SP	450kg	Border	
49	8.24m	SP	450kg	Leg	
50	8.69m	SP	450kg		
51	8.84m	SP	450kg	LX 4	
53	9.14m	SP	450kg		
55	9.44m	SP	450kg	Flood Bar	
57	9.74m	SP	450kg		
58	9.89m	SP	450kg	Tab	
59	10.04m	SP	450kg		
60	10.19m	SP	450kg		
61	10.34m	SP	450kg		
62	10.49m	SP	450kg	New Cyc	
63	10.64m	SP	450kg	O.P. Panorama bar	
64	10.79m	SP	450kg	P.S. Panorama bar	

**Drapery:**

Type	Material	Colour	Width	Height	QTY
House Curtain	Velour	Crimson			1
Borders	Wool, 100% fullness	Black			5
Legs	Wool, 100% fullness	Black			5
Tabs / Smother	Wool, 100% fullness	Black			4
Cyclorama (old)		(off) White			1
Cyclorama (new)		White			1
Scrim	Sharks tooth gauze	Black			1
		White			2
Star Cloth	ILED Star Drape (RGB) Wool	Black	4m	6m	4
Tab	Wool Flat	Black	4m	7m	14

**Materials Handling:****Komatsu Electric Forklift FB20A-12**

Rated Capacity 2000kg

**2 x Hand Pallet Trucks**

Rated Capacity 2500kg

**2 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 - Drivable**

Platform Height - 5.94 metres

Working Height - 7.77 metres

**Genie Electric Mast Lift AWP-30S - Push around**

Platform Height - 9 metres

Working Height - 10.8 metres

Restrictions - outriggers must be used at all times, one staff member to be located at base whilst in use.

**Ladders**

Aluminium Tallescope -7.2 metres

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 and Set (910mm to 1370mm)**

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 Hand Rails  
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))**

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

### **North Foyer Stage**

#### **Prostage (600m 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 **0.6 metres**
- External Door Dimensions **6.0 metres** high  
**3.6 metres** wide
- Internal Door Dimensions **5.7 metres** high  
**2.8 metres** wide

**Convention Centre – Flat Floor**

- External Door Dimensions **5.3 metres** high  
**5.8 metres** wide
- Internal Door Dimensions **5.9 metres** high  
**5.9 metres** wide

# **LIGHTING**

## **LIGHTING - Auditorium**

### **POSITIONS:**

*See hanging plot for standard LX bar locations*

#### **FOH Bridge #1**

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

#### **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**

#### **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 Light</b>
Signal distribution	<b>Pathport DMX/ETHERNET Nodes</b>
	<b>Supports</b>
	- <b>Strand Shownet</b>
	- <b>Pathport Protocol</b>
	- <b>ArtNet</b>
	- <b>sACN/Net3</b>
	- <b>Ki-Net</b>

### **DIMMERS:**

Dimmer Locations	<b>Dimmer room located off OP Box Boom Position / Fly Floor</b>
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20A Dimmer Racks	<b>6 x 24 (144 Channel Total) LSC EKO (installed)</b>
10A Dimmer Racks	<b>10 x 12way (120 Channel Total) State Automation Solution Cool – Switchable Power Control (installed)</b>
12A Dimmer Racks	<b>2 x 12way (24 Channels Total) JANDS HP-12 (floating)</b>

**LX POWER:**

Midstage O/P - 3 x 32A 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 - 6 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>

**LUMINAIRES:****PROFILES:**

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Pacific	12°-28°		1000	<b>28</b>
ETC	Source Four	15°-30°		750	<b>30</b>
ETC	Source Four	26°		750	<b>12</b>
ETC	Source Four	25°-50°		575	<b>8</b>
Selecon	Narrow Zoom	8°-16°		1200	<b>4</b>
Selecon	Pacific Wide	23°-50°		1000	<b>12</b>
ETC	Source Four	10°		750	<b>6</b>

**WASH:**

Make	Model	Detail / Accessories	Watt	Total
Selecon	Arena	Barn Doors	2000	<b>36</b>

**PAR CANS:**

Make	Model	Angle	Detail / Accessories	Watt	Total
	PAR 64	MFL	240 Volt	1000	<b>30</b>

**CYC WASH:**

Make	Model	Detail / Accessories	Watt	Total
CCT	Starlette	4 Compartment (CYC Flood)	1000	<b>5</b>
Strand	Orion	4 Compartment (ground row)	1000	<b>5</b>

**MOVERS:**

Make	Model	Control Channels	Detail / Accessories	Watt	Total
ROBE	DLX SPOT	35	LED Profile		<b>7</b>
ROBE	600 LED	21	LED Wash		<b>9</b>

**FX:**

Make	Model	Detail / Accessories	Watt	Total
Proshop	Pixband 6	6 x LED Strip Bar (Tilt)		<b>10</b>
Showtech	Pixpad 16	4 x 4 LED Panel		<b>6</b>

**FOLLOW SPOTS:**

Make	Model	Angle	Detail / Accessories	Watt	Total
Robert Juliet	Topaze		6 Colour Magazine	1200	2

**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 Diptrap DS	5	251 - 255	251, 252 are 20A
PS Diptrap MS	5	256 - 260	256, 257 are 20A
PS Diptrap US	5	261 - 265	261, 262 are 20A
OP Diptrap DS	5	266 - 270	266, 267 are 20A
OP Diptrap MS	5	271 - 275	271, 272 are 20A
OP Diptrap US	5	276 - 280	276, 277 are 20A
Orch Lift Diptrap	2	292, 293	
	2	294, 295	

## **LIGHTING – Convention Centre**

### **CONTROL:**

Lighting desk:	<b>Grand MA2 Ultra Light</b>
Signal distribution:	<b>Fully patchable DMX distribution system to any point in the halls</b>
	<b>2x Jands DD8 DMX Splitter</b>
Signal distribution:	<b>1 x Pathport DMX Node</b>
	<b>Supports</b>
	<b>- Strand Shownet</b>
	<b>- Pathport Protocol</b>
	<b>-ArtNet</b>
	<b>- sACN/Net3</b>
	<b>-Ki-Net</b>
Other:	<b>Grand MA1 Ultra Light</b>
	<b>ETC SmartFade ML (2)</b>

### **DIMMERS:**

8 x LSC Epro/T 12 Channel Dimmer Racks (96 Channels Total) 40A 3 phase connectors

### **LX POWER:**

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

### **POWER DISTRIBUTION:**

1 x Jands 400A PD453 (4 x 50A Outlets)  
2 x Powerwise 32A 3 Phase to 12 GPO  
6 x LSC APS 12 Channel 40A 3 Phase

### **CABLING:**

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

### **LUMINAIRES:**

#### **PROFILES:**

Make	Model	Angle	Detail / Accessories	Watt	Total
ETC	Source Four	15°-30°	Zoom	750	<b>10</b>

#### **PAR CANS:**

Make	Model	Angle	Detail / Accessories	Watt	Total
	PAR 64	MFL	240 Volt	1000	<b>12</b>

**FX:**

Make	Model	Detail / Accessories	Watt	Total
Honeycomb	Honeycomb 72	LED wash bar RGB 6 channel		<b>8</b>
Showtech	Pixpad 16	4 x 4 LED Panel		<b>6</b>

**MOVERS:**

Make	Model	Control Channels	Detail / Accessories	Watt	Total
ROBE	Pointe	24	Profile		<b>9</b>
ROBE	600 LED	21	LED Wash	LED	<b>3</b>

**FOLLOW SPOTS:**

Make	Model	Angle	Detail / Accessories	Watt	Total
Robert Juliet	Topaze		6 colour magazine	1200	<b>1</b>

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

Lighting desk Options:

**Grand MA1 Ultra Light  
ETC SmartFade ML (2)****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.

**LUMINAIRES:****PROFILES:**

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Zoom Spot	8°-16°		1200	<b>12</b>

**WASH:**

Make	Model	Detail / Accessories	Watt	Total
Strand	Harmony Fresnel	Barn Doors	1000	<b>10</b>
Litecraft	20FC	LED Zoom Par		<b>10</b>

**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.

**LUMINAIRES:****PROFILES:**

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Pacific	14°-35°		1000	<b>6</b>

**WASH:**

Make	Model	Detail / Accessories	Watt	Total
Selecon	Fresnel Acclaim		650	<b>16</b>
	Cantata		1200	<b>4</b>

**ADDITIONAL LIGHTING EQUIPMENT & FLOATING FIXTURES:**

Make / Item	Model	Angle	Detail / Accessories	Watt	Total
Strand	Harmony		Barn doors	1000	<b>4</b>
Strand	Cantata		Barn doors	1200	<b>10</b>
ETC	Source Four	25°-50°	Junior	575	<b>4</b>
	UV400				<b>2</b>
Strobe	ACME ST-1000		LED Strobe		<b>4</b>
Mirror Ball			36 inch		<b>1</b>
Mirror Ball			12 inch		<b>2</b>
Hazer	Unique2				<b>1</b>
JEM	ZR44		Smoke Machine		<b>2</b>
Martin	AF-1		DMX Fan		<b>1</b>
Jands	JLX PRO1		Mobile LX Bar		<b>2</b>

## **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 Digico S - SD8

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

1 x Digico S - SD8

1 x Digico SD8 - 24

##### **North Foyer**

Any desk that is required

#### **Secondary**

1 x Allen & Heath QU16 Digital mixing desk

1 x Yamaha MG16/6

1 x Mackie DL1608 – iPad Mixer

### **SYSTEM PROCESSING:**

#### **Auditorium**

2 x Nexo NX242ES4 TD Controller

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

4 x Nexo NX242ES4 TD Controller

#### **North Foyer**

2 x Nexo NX242 TD Controller

**Monitors**

- 4 x Nexo PS15 UTD Controller
- 4 x Nexo PS10 UTD Controller

**Floating PA**

- 2 x Nexo GEO S12 UTD Controller

**AMPLIFICATION:**

**Auditorium**

- 4 x Camco Vortex 6

**Apron Fill**

- 1 x Crown XLS 802

**Side Fill**

- 1 x Camco Techton 38.4

**Plenary Halls A & B**

- 8 x Camco Vortex 6

**North Foyer**

- 1 x Camco Q Power 10
- 1 x Camco Techton 38.4

**Lynette Denny Space**

- 1 x Camco Vortex 6 (Temporary)

**Floating system**

- 1 x Camco Techton 38.4
- 1 x Crown CE Series 4000

**Monitors**

- 4 x Camco Q Power 10

**Backup**

- 2 x Camco Vortex 6

## **SPEAKERS:**

### **FOH Speakers**

#### **Auditorium**

8 x Nexo GEO S1210

2 x Nexo GEO S1230

4 x Nexo RS15 Sub

#### **Apron Fill**

4 x JBL Marquis MS26

#### **Side Fill**

2 x Nexo GEO S1230

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

(System can be split to a 6 box, 2 sub / side, to service both halls)

10 x Nexo GEO S1210

2 x Nexo GEO S1230

6 x Nexo GEO S1210 - Delays

8 x Nexo RS15 Sub

#### **North Foyer**

8 x Nexo GEO S805

2 x Nexo GEO S830

2 x Nexo CD 12 Sub

#### **Lynette Denny Space**

Portable system as required

#### **Floating System**

2 x Nexo GEO S1230

#### **Monitors**

8 x Nexo PS10

8 x Nexo PS15 (Matched Pairs)

#### **Other**

2 x JBL EON G2 (Powered)



**PLAYBACK:**

Item	Make	Model	Detail	Total
CD Player	Denon	DNC 635		4
CD Player	Denon	DN - C630		2
CD Player	Denon	DN - 2000 F MkIII	Dual	1
CD Burner	HHB	CDR-882	Dual Burn	1
Shortcut Editor	360 Systems	SC-182		1
Minidisc	Sony	MDS - E12		1

**MICROPHONES:**

Make	Model	Detail / Accessories	Use	Total
Shure	UR4D+	Wireless Systems	Vocals	8
Shure	U2 MA87	Antenna Signal Amplifier		2
Shure	UR1	Belt Pack Transmitters		16
Shure	U2-MA Beta87	Hand Held Transmitters		10
Countryman	WCE6T	Earset		27
DPA	4088-F	Headset		6
DPA	4060	Lapel Microphone		6
Sennheiser	MK2	Lapel Microphone		2
Sennheiser	MK2 Gold	Lapel Microphone		6
Sennheiser	E904			4
Shure	WL93	Lapel Microphone		2
Shure	Beta 91a			2
Shure	Beta 91			1
Shure	Beta 52			1
Shure	Beta 98 D/S			4
Shure	Beta 56			3
Shure	Beta 57			2
Shure	Beta 58A			8
Shure	Beta 87			2
Shure	SM 57			14
Shure	SM 58			4
Shure	PG48	Switchable		2
AKG	CK91			2
AKG	C451 EB			2
AKG	C3000			1
AKG	D112			1
AKG	C568 EB	Shotgun Microphone		4
Shure	MX 418-S	Lectern Microphone		7
Schertler	DYN-GP	Electrodynamic Transducer	Piano / Bass	2
EV	CT 30	Boundary		1
Rode	NT5			6
EV	RE92H	Choir Microphone		4
DPA	4021 (Pair)	Piano Kit		2
Beyer	M88			1
LA Audio	D12	Active DI		4
LA Audio	D12 MKIII	Active DI		3
SCV	D12 MKII	Active DI		3
ARX	Audibox	USB DI		4
Aust Monitor	AMIS-DI 1	Passive DI		1
Radial	PC MK3	Stereo DI		1

Radial	PRO AV 1			<b>2</b>
Radial	PRO AV 2			
Radial	PRO D2	Passive DI		<b>8</b>
Radial	PRO D1	Passive DI		<b>8</b>
Radial	JPC			<b>1</b>
Behringer	Powerplay P1	Wired IEM		<b>10</b>

**CABLING:**

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

**MULTICORE:****Auditorium**

1 x DIGIRACK SD8 - RACK  
 48 Input  
 8 Return

**P/S**

32 Input stage box, splittable to FOH / MON  
 16 Input stage box

**O/P**

8 Input stage box  
 12 Return lines

**Plenary Halls A & B**

2 x DIGIRACK SD8 - RACK  
 48 Input  
 16 Return  
 2 x RME MADI Converter  
 2 x RME MADI Bridge  
 (Over fibre network)  
 (CAT 6 network also available)

**North Foyer**

8 Input stage box  
 4 Return lines

**Other**

1 x Klark Teknik 8 Channel Square One Active Splitter  
 1 x 52 way analogue split rack (2 x 52 way tails, 4 x 12 way satalite boxes, 2 x 6 way satalite boxes)  
 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)  
7 x Powerwise PD 620

## **AUDIO VISUAL**

### **PROJECTION:**

#### **Auditorium**

3 x Epson EB-Z11000W projector , 16:9 Native Aspect Ratio, 11000 ANSI Lumens

#### **Plenary Halls**

1 x Epson EB-Z8355W projector , 16:9 Native Aspect Ratio, 8500 ANSI Lumens  
(Projector rigged on 'Rose' bar at rear of Auditorium)

#### **Meeting Room 1**

1 x Sanyo ELPLP60 Projector, 4000 ANSI Lumens

#### **Meeting Room 2**

1 x Sanyo ELPLP60 Projector, 4000 ANSI Lumens

#### **Meeting Room 3**

1 x Sanyo ELPLP60 Projector, 4000 ANSI Lumens

#### **Meeting Room 4**

1 x Sanyo ELPLP60 Projector, 4000 ANSI Lumens

#### **North Foyer**

1 x Sanyo ELPLP60 Projector, 4000 ANSI Lumens

**Space**

1 x Sanyo ELPLP60 Projector, 4000 ANSI Lumens

**Spare**

1 x Mitsubishi XD480U, 4:3 Native Aspect Ratio, 3000 ANSI Lumens (DLP)  
1 x Panasonic PT-DW5100E, 16:9 Native Aspect Ratio, 5100 ANSI Lumens (DLP)  
Long throw lens ET-DLE310  
1 x Sony VPL-PX40, 4:3 Native Aspect Ratio, 3500 ANSI Lumens (LCD)

**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 2.7 x 3.6 metre, 4:3 Aspect Ratio, Front Projection Screen.

**Meeting Room 2**

1 x Motorised 2.7 x 3.6 metre, 4:3 Aspect Ratio, Front Projection Screen.

**Meeting Room 3**

1 x Motorised 2.3 x 3 metre, 4:3 Aspect Ratio, Front Projection Screen.

**Meeting Room 4**

1 x Motorised 2.3 x 3 metre, 4:3 Aspect Ratio, Front Projection Screen.

**North Foyer**

1 x Motorised Luna 3.6 x 2.8 meters, 4:3 Aspect Ratio, Front Projection Screen..

**Space**

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

**Other**

1 x Push Up 2.4 x 2.4 meter, 4:3 Aspect Ratio, Front Projection Screen.  
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	2
DVD Player	Denon	DV300	Professional	2
DVD Player	Denon	DNV310	Professional	4
Bluray Player	Sony		Domestic	4

**VISION MIXING / SWITCHING:**

1 x Roland V800HD Digital Vision Mixer  
 2 x Data Video TLM-702, Rack Mount LCD Preveiw Monitors  
 2 x PC based Media server

2 x Kramer VP-773A Digital switcher / scaler  
 1 x Kramer VP-724xl Analogue switcher / scaler  
 2 x Kramer VP-727/VP-727T, WXVGA/DVI Output  
 6 x Kramer HDBaseT –HDMI Over Cat5 5 (Pairs)

**DISPLAY PANELS:****Fixed Digital Signage**

(All fixed screens and the mobile 52" NEC Portrait Mode panel 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 NEC 3215 - BK, 32" LCD Panel

**Plenary Hall B Entry**

1 x NEC 3215 - BK, 32" LCD Panel

**Meeting Room 1 & 2 Entry**

1 x NEC 3215 - BK, 32" LCD Panel

**Meeting Room 3 & 4 Entry**

1 x NEC 3215 - BK, 32" LCD Panel

**South Foyer Bar**

1 x NEC 4620 – BK, 46" LCD Panel

**South Foyer Registration**

1 x NEC 4620 – BK, 46" LCD Panel

**South Foyer Box Office**

1 x NEC 4620 – BK, 46" LCD Panel

**North Foyer Box Office**

1 x Samsung 40" Series 7 LED Panel

**North Foyer**

2 x Samsung 50" Series 7 LED Panel

**Mobile Display Panels:**

4 x Sony Bravia LCD with Sony BlueRay players mounted on Stands with shelf for Laptops

1 x Sanyo CE52LH1R, 52" LCD Panel

1 x NEC GXDL52H1, 52" LCD Panel (Portrait Mode)

**FLOATING EQUIPMENT:**

6 x Asus Laptop PU301L

4 x Toshiba Laptop U500 VGA / HDMI out

2 x Panasonic UB2315C, Electronic White Boards

**CABLING:**

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

**BACKSTAGE**

**STAGE MANAGERS CONSOLE:**

Stage Managers desk is 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 Telex Audiocom MS 2002 (2 Channel)

Wireless Master Unit - 1 x Telex BTR700 wireless radio comms

9 x BP 1002 Belt Packs

1 x BP 2002 (2 channel)

4 x TR 700 Wireless Packs

14 x Telex PH100 Headsets  
 2 x Telex SS2002 Audiocom Squawk Box, (Control room / FOH Audio)

### **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**

Master Unit - 2 x Telex Audiocom MS 2002 (2 Channel)  
 4 x BP 1002 Belt Packs  
 8 x Beyer DT108 Headsets  
 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:**

<b>Dressing Room</b>	<b>Capacity</b>	<b>Toilets</b>	<b>Shower</b>	<b>Details</b>
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	<b>N/A</b>
Iron / Ironing Board	<b>1 of each</b>
Clothes Racks	<b>1 or 2 per room</b>

**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	<b>YES</b>
Fridge / Freezer	<b>YES</b>
Microwave	<b>YES</b>
Running Hot/Cold Water	<b>YES</b>

**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 Model D (Auditorium only)  
Beale BA 73 Parlour Grand (North Foyer)  
Yamaha WX5 Upright  
Pailing Bros. Upright (Green Room)

**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



**STAFF CONTACTS:**

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**Venue Supervisor**  
Phone Number:                                07 4961 9716

**Box Office & Administration Coordinator**                      **Kristy Daly**  
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**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.

The Mackay Entertainment & Convention Centre is a business unit of Mackay Regional Council.