

MidCoast Council

Manning Entertainment Centre

Technical Specifications

Updated
01/06/2021

Venue Details:

Address: 33 Manning River Dr Taree NSW 2430

Phone number: 02 6592 5466

Website: www.theMEC.com.au

Email: mec.production@midcoast.nsw.gov.au

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STAGE

Brief Stage Description:

Unraked stage, with a proscenium arch and flying facilities. Hardwood floor covered with Masonite sheets. Screwing into surface permitted but larger holes to be authorised by Production Manager. Stage crossover behind US fixed gyprock cyclorama wall.

Stage distributed load limit	750 kg/m ² – 7.5KN
Stage point load limit	450 kg/m ² – 4.5KN
Stage rake	No

Stage Dimensions:

Proscenium	Width 12m Height 6m
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Setting Line

The rear of the proscenium. Please allow 200mm for the fire curtain when placing sets.

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

SL to DS edge of apron	1.15m
SL to DS edge of Orchestra Lift/Pit	3.25m
SL to first fly line	0.880m
SL to last upstage fly line	7.545m
SL to rear wall	7.707m
CL to OP wall (or obstruction)	13.950m
CL to PS wall (or obstruction)	11.970m
Stage to underside roof	14.400m. Note - There is no grid at the MEC.

Overhead obstructions

Fly Gallery on OP at 4.5m high, running from the setting line to the cyc wall.

Auditorium

The Auditorium consists of 16 rows of raked seats with the A Row being removable to allow wheelchair seating.

Seating capacity with additional Orchestra lift/pit seating installed	N/A
Seating capacity without Orchestra lift/pit seating installed	505

Orchestra Lift / Pit

The orchestra pit is covered with fixed floor sections, steel framed with 12mm ply-wood, that requires 4 crew to move. There is no orchestra pit lift.

Height above Auditorium Floor	0.843m
Depth below Auditorium Floor	1.600m
Lift can be set at any height	No
SWL of orchestra lift	N/A
Usable area	10m x 4m (Approx.)
Capacity	20

Flying Facilities

The MEC Flying system consists of a single purchase house curtain, 26 double purchase fly lines and 3 motorised winch lighting bars.

Total number of Lines	30
Panorama Lines	0
Batten Drift	11.7m (Max height 13.3m – Min Height 1.6)
Batten Type	48mm O/D steel pipe
Batten Length	14m
Batten Extensions	N/A
Batten Pick-ups	5 pick-ups, 1 at centre then others at 3.35m intervals.
Batten Point Load	180kg
Batten W.L.L.	200kg
Cradle Capacity	400kg
LX bars can swing	No
Fly bars can swing	No

Operating Positions

House curtain	PS at stage level
Stage flies	OP on Fly Gallery 4.8m above stage height
LX Bars	PS at stage level.

SEE HANGING PLOT FOR LINE ALLOCATIONS AND FURTHER INFO

Hanging Plot

Note Bars do not swing.

SL: Setting Line as indicated previously

Line Type: SP = Single purchase, DP = Double purchase, MW = Motor Winch

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

Line #	Distance from SL	Line Type	W.L.L.	Venue Allocation	Intended Use (Hiring company use)
House Rag	505mm	SP	200	House Curtain	House Curtain Only
1	880mm	DP	200	Legs 1	
2	1080mm	DP	200		Intersects with LX fixtures on LX1
LX1	1220mm	MW	200	LX 1 – Patch 1 to 18	
3	1560mm	DP	200		
4	1760mm	DP	200		
5	1960mm	DP	200		
6	2160mm	DP	200	Border 2 – 3m Drop	
7	2360mm	DP	200	Legs 2	
8	2560mm	DP	200		
9	2760mm	DP	200		
LX2	3030mm	MW	200	LX 2 – Patch 19 to 32	
10	3410mm	DP	200		
11	3620mm	DP	200	Border 3 – 3m Drop	
12	3820mm	DP	200	Mid Stage Traveller	Cannot Be Moved
13	4020mm	DP	200	Projection Screen	Cannot Be Moved
14	4220mm	DP	200		
15	4420mm	DP	200		
16	4620mm	DP	200		
LX3	4870mm	MW	200	LX 3 – Patch 33 to 46	
17	5230mm	DP	200		
18	5430mm	DP	200		
19	5630mm	DP	200	Border 4 – 3m Drop	
20	5830mm	DP	200	Legs 4	
21	6100mm	DP	200	CYC Flood Bar	Cannot Be Moved
22	6490mm	DP	200		
23	6475mm	DP	200		
24	6990mm	DP	200		
25	7240mm	DP	200	LX 5 Back Light Bar	Cannot Be Moved
26	7545mm	DP	200	Black Smother	
	7707mm	N/A	N/A	Fixed White Cyclorama Wall	Fixed White Cyclorama Wall

Drapery

Type	Material	Colour	Width	Height	Quantity
House Curtain	Verdi Velvet 50% Fullness	Maroon Red	14000mm	7000mm	1
Border 1	Wool 0% Fullness	Black	14000mm	3000mm	1
Border 2	Wool 0% Fullness	Black	14000mm	3000mm	1
Border 3	Wool 0% Fullness	Black	14000mm	3000mm	1
Border 4	Wool 0% Fullness	Black	14000mm	3000mm	1
Legs 1	Wool 0% Fullness	Black	2400mm	7500mm	2
Legs 2	Wool 0% Fullness	Black	2400mm	7500mm	2
Legs 3/Traveller	Wool 0% Fullness	Black	7200mm	7500mm	2
Legs 4	Wool 0% Fullness	Black	2400mm	7500mm	2
Smother	Wool 0% Fullness	Black	14000mm	7500mm	2
Cyclorama	cotton	White	13000mm	6900mm	1
Scrim	Shark tooth	White	14000mm	7000mm	1

Access Equipment

Elevated Work Platform	Genie GR-20
Maximum working height	8m
Maximum platform height	6m

EWP Restrictions

One staff member to be located at base whilst in use to call and view for obstructions etc.

Ladders

- (1) 3.5m Fibreglass steps (12 steps)
- (1) 2.25m Fibreglass steps (8 steps)
- (1) 1.8m Fibreglass steps (6 steps)

Staging Units

- (6) Megadeck 2.4m x 1.2m
- (8) 900mm legs
- (18) 600mm Legs
- (24) 300mm legs
- (8) 300mm Wheel legs
- (8) 600mm Wheel Legs

Stage Covers

N/A

Stage Traps

There are 3 traps located 6.6m from the centre line at 1.7m, 3.5m and 5.3m upstage of the setting line on PS, and 1.8m, 3.5m and 5.5m on OP, these traps contain 1 lighting patch each. There are also 3 traps located 0.65m downstage of the setting line at centre stage and 1.7m to OP and 1.4m to PS from Centre, these traps contain audio power/patches only.

Safety Curtain

Safety Curtain installed	Yes
Safety Curtain must be unobstructed at all times	Yes
Thickness of Fire Curtain	200mm
Distance from setting line	0mm

Note: Measurement is to the downstage edge of the Fire Curtain.

Loading Dock

Access

Truck access is via the car park off Keith Coleman Drive. Trucks are able to reverse up to loading dock.

Loading Dock Height	1.25m from road level – Dock is at stage height
Door Dimensions	2.95m High 3.45m Wide

Restrictions / Obstructions

Truck doors must be opened before reversing up ramp.

Additional Rigging Notes

There are no load rated rigging points at the MEC.

It can be difficult to trail lighting bars as the catwalks on either side of stage are at different heights.

Staging Notes

Access to the stage galleries is from the PS of stage only.

Limited rigging gear is available in house, including rigging wires, screws, shackles and pulleys.

All flown items must be rigged with rated equipment and is subject to approval by a venue representative.

All Flown items must be stamped with their weight in Kg.

LIGHTING

FOH Bridge

Setting Line to lighting bar	10.6m
Usable bar width	14m

FOH Perches (PS & OP)

Setting Line to FOH Perch	1m
Distances are to the highest downstage point of boom or perch.	
Maximum lanterns per perch	12

FOH Booms (PS & OP)

Setting Line to FOH Boom	N/A
Distances are to the highest downstage point of boom or perch.	
Maximum lanterns per boom	N/A
Notes	N/A

Control

Lighting desk	ETC Ion
Control channels	1024
Signal output	DMX
Signal distribution	2 DMX streams to prompt stage dimmers
DMX Lines	LX1, LX2, LX3, LX4, FOH Catwalk, DSP, DSOP
Remote control available onstage	Yes, iPad

Dimmer Racks

Total Dimmers	72, 72 Digital, 0 Analogue
Dimmer Locations	Dimmer room located adjacent to prompt stage area
2.4Kw Dimmer Racks	4 x LSC iPro 12 Channel dimmers 2 x LSC ePro 12 Channel dimmers
Total dimmers @ 2.4kw per dimmer	72
5Kw Dimmer Racks	N/A
Total dimmers @ 5kw per dimmer	0

House Lights

Independent control	Via DMX system
Control positions	N/A
Fade time	adjustable Set according to show

Stage Luminaries

Profiles

Make	Model	Angle	Detail/accessories	Watt	Quantity
Selecon	Pacific	Base	Base Containing Lamp	1kw	18
Selecon	Pacific	Base	Base Containing Lamp	800w	23
Selecon	Pacific	14/35	Gel Frame and Gobo Slot	Lens	16
Selecon	Pacific	45/75	Gel Frame and Gobo Slot	Lens	10
Selecon	Pacific	23/50	Gel Frame and Gobo Slot	Lens	15

Fresnels

Make	Model	Detail/Accessories	Watt	Quantity
Selecon	Fresnel	Barn Doors and Gel Frames	1.2kw	36

PC

Make	Model	Detail/Accessories	Watt	Quantity
Selecon	PC	Barn Doors and Gel Frames	1.2kw	6

Cyclorama

Make	Model	Detail/Accessories	Watt	Quantity
Strand	Coda	Gel Frames	4x500w	6

Static LEDs

Make	Model	Mode	Details/Accessories	Watt	Quantity
Chauvet	Par Quad 18	10ch	RGBA	18x7W	15
Chauvet	Colorado Batten 144	Tour	RGBAW	144x1W	6
Event Lighting	BlinderWW	4ch	2 Cell Cool & Warm White Blinder	2x100W	4

Moving Heads

Make	Model	Mode	Details/Accessories	Watt	Quantity
Chauvet	Q-Spot 460	14ch	Dual gobo wheel, 7 colour plus white, rotating 3-facet prism, moving spot	70W LED	4
Chauvet	Rogue R2 Spot	21ch	Dual gobo and colour wheels, frost, rotating 3-facet prism, moving spot	230W LED	4

Followspots

Make	Model	Angle	Detail/accessories	Watt	Quantity
Strand	Cantata	11/26	4 Gel Colour Frame Holder	1.2kw	2
Strand	818	12/21	4 Gel Colour Frame Holder	1.2kw	1

Additional Lighting

Item	Make	Model	Details/Accessories	Watt	Quantity
Large Mirror Ball	Soundivision	600mm	Large Motor		1
Small Mirror Ball	Soundivision	150mm	Small Motor		4
UV Lighting	Soundivision	UV		200w	3
Strobe Lighting	Soundivision	DMX-750		1000w	1
Smoke Machine	Antari	Z-1500			2
Hazer	Martin	JEM Compact Pro			2

Patching

Location	Quantity	Numbering (PS to OP)	Details/Accessories
FOH	28	25-52 FOH	10amp GPO's
PS Perch	12	1-12 FOH	10amp GPO's
OP Perch	12	13-24 FOH	10amp GPO's
LX1	18	1-18 OS	10amp GPO's
LX2	14	19-32 OS	10amp GPO's
LX3	14	33-46 OS	10amp GPO's
LX4	8	47-54 OS	10amp GPO's
PS Traps	3	55-57 OS	10amp GPO's
OP Traps	3	58-60 OS	10amp GPO's

Power

3 Phase Outlets

4 x 40amp on PS dimmer room (2 permanently used for LSC ePro dimmers)

1 x 50amp on PS dimmer room

Cabling

240v Extension Cable

The theatre has a good stock of extension leads to accommodate the venue's standard lighting rig. Any additional equipment will require additional cable stock to be sourced.

Looms

5 x 40m 6-way weiland looms.

3 phase Extensions

1 x 10m

Lighting Notes

Onstage lighting bars do not swing between locations upstage or downstage.

AUDIO

Control Positions

Control Room	Rear centre of auditorium behind audience crossover, dedicated position, no seats pulled.
Auditorium	N/A
Total seat allocation	0

Primary Control

Midas Pro2
 DL251 Stage box (48in – 16out)
 DL153 Stage Box (16in – 8out)
 Wireless iPad control.
 KV2 SAC2 Crossover
 2 KV2 DSS3 Delay

Amplification

2 ESP4000 (4X1000Watt – Monitors)
 1 ESP2000 (2X1000Watt – Monitors)
 2 ESR3000 (2X1500Watt – FOH)
 1 VHD3200 (2x1600Watt – Subs)
 1 ESP1000 (4x250Watt – Fills)

Speakers

FOH 2 KV2 ESR215
 Subs 2 KV2 VHD 2.18J
 Fills 4 KV2 ESD CUBE
 Delays 2 KV2 EX26
 Monitors 5 KV2 ESM 12L
 5 KV2 ESM 12R

Additional Inventory

Control

Soundcraft Si Expression 13

Allen and Heath GL2400, 22 channels, 2 stereo inputs, 6 aux sends, 4 groups

Amplifiers

(1) QSC PLX1202 Power amp, 2 channel, 325w x 325w @ 4 Ω Side Fill

(1) QSC RMX850 Power Amp, 2 channel, 430w x 430w @ 2Ω Mono Fill

(1) QSC PLX1602 Power amp, 2 channel, 500w x 500w @ 4Ω Highs

(1) QSC RMX2450 Power Amp, 2 channel, 1200w x 1200w @ 2Ω Lows/Mids

(1) QSC RMX5050 Power Amp, 2 channel, 2500w x 2500w @ 2Ω Subs

EQ

(1) DBX 231s

(2) DBX 231

(1) DBX 1231

FX

(1) TC electronic D-Two

(1) Yamaha SPX 990

Compression/Limiter/Gates

(6) DBX 266XL Stereo Compressor/limiter/gates

Speaker Processor

DBX Driverack 480

FOH Speakers

(4) Martin W3

(2) Martin W2

(4) Martin C115

Fold Back Speakers

(9) Electrovoice SxA 100+

Playback

Item	Make	Model	Detail	Quantity
CD Player	Tascam	CD-500		1
CD/MD Player	Sony	MXD-D1		1
Tape	Tascam	202MkIII	Dual Tape Player	1

Microphones

Make	Model	Detail/Accessories	Use	Quantity
Shure	SM58	Clips	Vocals	6
Shure	SM57	Clips, Drum Clips	Vocals, Instruments	4
Shure	Beta 57	Clips	Vocals, Instruments	8
Shure	Beta 87	Clips	Vocals	4
Shure	ULX 58	Clips – U88 aerial Distribution	Wireless Vocals	2
Shure	SLX 58	Clips – U88 aerial Distribution	Wireless Vocals	4
Shure	SM81	Clips, Pop Filters	Vocals, Instruments	2
Shure	Beta 52	Heavy Base Stand	Kick Drum, Bass	1
AKG	D112	Clip	Kick Drum, Bass	1
AKG	C1000s	Clip	Instruments, Overheads	2
AKG	C148	Clip	Snare, Toms, Wind Instruments	4
Rode	NT5	Clip, Pop Filter	Overheads, Instruments	2
Rode	NTK	Shock Mount	Studio Applications	2
Rode	M5	Clip	Multi Use Condenser	8
DPA	4099 Stereo Pair	Magnetic Clips	Piano	1

Cabling

Audio Cable

The theatre has a limited stock of cable to accommodate the venues equipment.

Multicore

- (1) 50m 32 lines, 24 sends 8 returns – located on stage.
- (1) 50m 32 lines, 24 sends 8 returns – located in orchestra pit.
- (1) 40m 24 Lines, 20 sends 4 returns – Located on stage.

Audio Notes

FOH speakers fixed on proscenium walls.

Accessories

Item	Model	Details/Accessories	Quantity
Microphone Stands	Ultimate Support	Round Base	5
	K&M	Telescopic Boom	5
		Straight Boom	5
		Overhead Boom	2
Onstage Stands	Mini straight	Mini Boom	4
		Solid Base	4
D.I.'s	LA Audio	D12	2
	JPC	Stereo D.I.	1
Drop Boxes	Hosa	6 sends, 2 returns	2
	Home Made	6 sends, 2 returns	1
	ProCo	24 send, 4 return	1
	Klotz	DI44, 6 multifunction send, 2 return	2

Line Patching

Location	Quantity	Numbering	Detail
DSP Stage Wall to Orchestra pit	1	Prompt Line	1in/out
DSOP Stage Wall to Orchestra Pit	7	1-6, OP Line	6 In/Outs, 1 Return In/Outs
Stage Traps to Orchestra Pit	10	12-21	10 In/Outs
USOP Stage Wall to Orchestra Pit	1	Aux 2	1 IN/Out

Speaker Patching

Location	Quantity	Numbering	Detail
DSP Stage Wall	1	Foldback 1	Speakon Sockets. Amps Located in Orchestra Pit
DSOP and USOP Stage Wall	2	Foldback 1 & 2	Speakon Sockets. Amps Located in Orchestra Pit

AUDIO VISUAL

Projection Room

N/A

Projectors

Make	Model	Details/Accessories	Quantity
Epson		4500lm, Hanging bracket	1
Hitachi	CP-WU9100B	10000lm, hanging bracket, short & long throw lens	1

Control

Roland VR-50HD

Screens

Draper	7m x 4m
White Cyc cloth	13m x 6m
White Cyc Wall fixed at rear of stage.	14m x 7m

AV Playback Equipment:

Item	Model	Details/Accessories	Quantity
MacBook Pro	2009	i5, Intel Graphics	1
Panasonic Blu-ray Player	2014		1

Projector Rigging Points

The theatre has a mounting bracket that is suitable for office style projectors that can be flown from any horizontal fly or LX bar.

Projection Cradle at rear of Auditorium.

Cabling

The theatre has ethernet cabling distributed around the venue and 1 HDMI to ethernet (HDBaseT) set.
 2 x 40m HDMI cables available

Livestreaming & Recording

Vision Feeds

Make	Model	Details/Accessories	Quantity
BirdDog	P100	1080p NDI	3
HDMI Capture		Feed from Vision Mixer and IR Auditorium Camera	2

Control

Lenovo Y5000 running OBS
 BirdDog PTZ Keyboard with camera selection and joystick.

Network

Patching throughout building
 Dedicated NBN 50 down, 25 up

Recording

24 in/out AES50 to USB interface for multitrack audio recording.
 Single cam or mixed multi-cam video feed with stereo audio.
 RAW multi-cam recording is currently not possible.

BACKSTAGE

Communications

Stage Managers Desk

Stage Managers desk is located in prompt corner. The desk can be moved within this area and is fitted with a light, Talk Back Headset and Video Monitoring Screen.

Talkback

Master Unit	Jands Ezicom running 1 common loop.
Total sub stations	7 belt packs
Total headsets	7 headsets
Radio Units In-house	N/A
Talkback patching located at:	3 control room patches 2 FOH catwalk patches adjacent to follow-spots 1 Prompt stage (base station) 1 Off Prompt 1 Orchestra pit 1 Fly gallery 1 at USOP 1 at the Box Office 1 at Managers Office

Paging/Show Relay

Paging to the dressing rooms is available from the stage managers desk. Show relay is distributed to all dressing rooms and green room. Each room has an individual volume control.

CCTV set up in every room at the MEC, SM position, Flytower, control room etc.

Q Light System

In house Q light system available	N/A
Number of units	0

Dressing Rooms

Dressing Room	Capacity	Toilets	Shower	Details
Dressing Room #1	15	0	0	Showers available in green room toilets
Dressing Room #2	15	0	0	Showers available in green room toilets
Star Room	5	1	1	A small room dedicated to the star of the show with shower and toilet

Laundry/Wardrobe

Washing Machines	1 x 8kg LG
Dryers	1 x 8Kg LG
Drying rooms	N/A
Iron / ironing board	1 irons/boards located in dressing rooms
Clothes racks	3 racks in dressing rooms

Production Facilities

Production Desk	N/A
Production Office	No
Phone	Access to phone in box office and staff offices
Access to WiFi	Yes

Greenroom

Tea / Coffee facilities	Yes
Fridge / freezer	Yes
Microwave	Yes
Running water	Yes

Stage Door

Stage Door is located beside the loading dock accessible at the front of the building. Access during bump-in / out will be controlled by the duty technician.

ADDITIONAL FACILITIES & INFORMATION

Orchestral

(1) Yamaha CFIII Grand Piano. Cannot be moved off stage area, tuning to be arranged prior to use.

(1) Yamaha CIII Baby Grand Piano. Cannot be moved off stage area, tuning to be arranged prior to use.

(10) Music stands and sconces.

Rehearsal Space

No rehearsal rooms.

Staffing

The MEC has a crew of casual theatre technicians available for performances. These staff are coordinated by the Senior Theatre Technician.

VENUE

The Manning Entertainment Centre operates 1 performance space, with our “Collins” room and Foyer able to be used for small presentations and meetings. The main venue has a proscenium arched stage with a raked seating capacity of 505.

A core team of 5 people run the centre, which is owned and operated by MidCoast Council; we have a pool of casual production staff. All bar staff and ushers are volunteers.

The venue is located next to our Visitor Information Centre and McDonalds. We are approximately 5 minutes drive from the town centre.

Address 33 Manning River Drive Taree, NSW 2430

Postal Address PO Box 482 Taree, NSW 2430

Staff Contacts

Venue Manager Chris Tippett
Phone Number 02 6592 5469
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Senior Theatre Technician Nathaniel Keegan
Phone Number 02 7955 7506
Email Address nathaniel.keegan@midcoast.nsw.gov.au

Marketing and Sales Coordinator Helen Knight
Phone Number 02 6592 5466
Email Address helen.knight@midcoast.nsw.gov.au

Box Office Phone Number 02 6592 5466

Venue Plans

Venue Plan Available YES a PDF or DWG file emailed upon request.
Venue Section Available YES a PDF or DWG file emailed upon request.