

# New Benner Theatre

## Technical Specifications and General Information

Metro Arts @ West Village  
97 Boundary St West End Qld 4101

**Version 6**  
April 2024

# Table of Contents

<b>Table of Contents</b>	<b>2</b>
<b>Disclaimer</b>	<b>3</b>
<b>General Information</b>	<b>4</b>
<b>Stage + Auditorium</b>	<b>5</b>
Seating Bank	5
Stage Dimensions	6
<b>Staging + Rigging</b>	<b>7</b>
Fixed Grid	7
Access Equipment	8
Stage Covers	8
Staging Inventory	8
Stage Masking	10
Elevator / Service Bays / Scenic Dock	10
Other Staging Notes	11
<b>Lighting</b>	<b>12</b>
Control	12
Dimmer / Power Distribution Racks	12
House Lights	12
Stage Luminaires	13
LX Accessories / Hardware	13
Cabling	14
Power	14
Special Effects	14
Other Lighting Notes	15
<b>Sound</b>	<b>16</b>
Control Positions	16
System	16
Speakers	16
Additional Sound Equipment	17
Cabling	18
Sound Notes	18
<b>Vision</b>	<b>19</b>
Projection (Venue Standard)	19
Additional Vision Equipment	19
<b>Communications</b>	<b>21</b>
Talkback System	21
Programme Relay (Video)	21
Programme Relay (Audio)	21
Stage Management	21

<b>Back of House Facilities</b>	<b>22</b>
Dressing Rooms	22
Showers + Bathrooms	22
Laundry + Wardrobe	22
Green Room Facilities	22
<b>Health, Safety + Environment (HSE)</b>	<b>24</b>
Fire Safety	24
Safety	24
Risk Assessment	24
<b>Other</b>	<b>25</b>
Accessibility	25
Storage	25
Rehearsal Rooms / Holding Areas	25
<b>Document History</b>	<b>26</b>

## Disclaimer

The information contained in this document is given in good faith and is believed to be correct. Whilst all reasonable care has been taken in the preparation of this document, the information contained herein is believed, but not guaranteed, to be correct at the time of release. Metro Arts will not be liable for any inaccuracies, omissions, or errors in the content, nor for any loss or damages arising from action taken in reliance on the information.

All measurements are approximate and should be checked on site. Floor areas, dimensions and set-outs are indicative only, are not to scale and are subject to change without notice. Prospective hirers must rely on their own enquiries.

# General Information

<b>Address</b>	<b>Metro Arts @ West Village</b> 97 Boundary Street, West End, Qld 4101	
<b>Administration + Box Office</b>	<b>Factory Lane, West Village</b> Email: info@metroarts.com.au Phone: (07) 3002 7100 Postal: 116/45 Mollison St, West End, Qld 4101	
<b>Venue Contacts</b>	<b>Venue + Technical Coordinator</b> Name: Nathaniel Knight Email: nathaniel@metroarts.com.au	<b>Operations Manager</b> Name: Shani Gould Email: shani@metroarts.com.au
<b>Venue Layout</b>	<p><b>The Ice Cream Factory</b></p> <p><i>Upper Factory Lane</i>      Rehearsal Studios</p> <p><i>Ground</i>                      Gallery One                                            Bathroom (incl. accessible bathroom. requires swipe access)                                            Window Gallery</p> <p><b>Community Building</b></p> <p><i>Ground</i>                      Factory Lane                                            Gallery Two                                            Administration                                            Box Office / Bar</p> <p><i>Mezzanine</i>                 Dressing Rooms                                            Bathroom                                            Shower                                            Laundry                                            Technical Gallery                                            Bio Box</p> <p><i>Lower Ground</i>             Stage-level                                            Accessible bathroom                                            Green Room/Kitchenette                                            Service Bay (via carpark)</p>	

## Stage + Auditorium

### Seating Bank

#### Retractable Seating System



Image by [INSERT] 2021

System	Maxwood Technology TX-RPO
Seat Style	Espace 628CC.00 High Back
Number of Rows	7 rows of seating on 6 platforms (when fully extended)
Row Rise	350mm
Row Depth	950mm
Number of Aisles	2 – one at each end
Aisle Width	1015mm
Seat Fabric	Camira Main Line Plus – Prudence IF250
Carpet Fabric	Heckmondwike Supacord Carpet - Purple

#### Operable Configurations *(Refer to Seating Configurations plans)*

Mode	Description	Seating Capacity	Stage Space
1	Fully extended (7 rows) <i>Rows A to G</i>	108 general admission seats 2 accessible seating areas w/ companion seat <i>2x stage-level</i>	10600mm (width) x 6000mm (depth)
2	Partially extended (5 rows) <i>Rows A to E</i>	76 general admission seats 2 accessible seating areas w/ companion seat <i>2x stage-level</i>	10600mm (width) x 9000mm (depth)
3	Partially extended (3 rows) <i>Rows A to C</i>	44 general admission seats 2 accessible seating areas w/ companion seat <i>2x stage-level</i>	10600mm (width) x 11000mm (depth)
4	Fully retracted	Flat floor – no seats	10600mm (width) x 13800mm (depth)

#### Stage Dimensions

##### Stage Description

Rake	None
Surface	Weathertex sheeting, painted black, over 2x layers of plywood.

##### Venue Size *(not including under mezzanine balcony – seating bank retracted)*

Total Area	147.21m <sup>2</sup>
Total Width of Venue	10600mm
Total Length of Venue	13800mm

##### Stage Height

Floor to underside of mezzanine balcony (OP)	2300mm
Floor to underside of grid	4360mm
Floor to underside of Rigging Points	4600mm
Total Height of Venue	4760mm

##### Stage Dimensions *(when seating bank is in Mode 1 – 7 rows)*

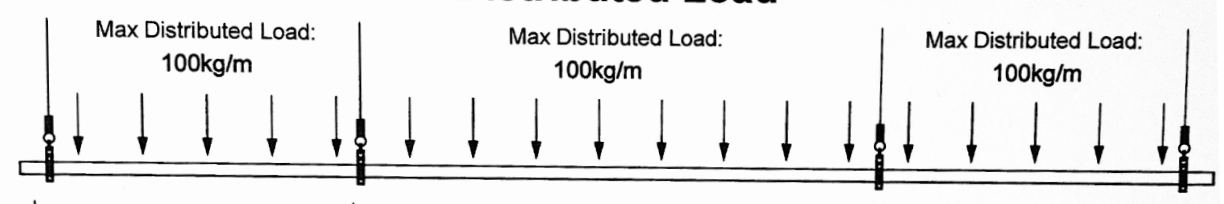
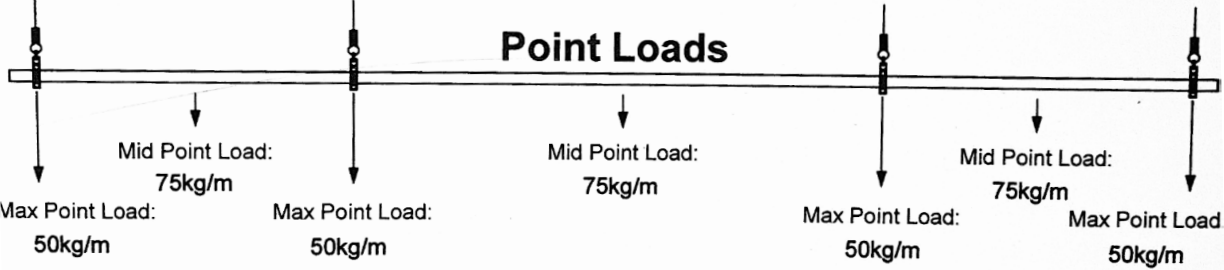
CL = Centre Line SL = Setting Line, measured 1000mm from the front row of seats (Row A)

CL to PS Wall	5300mm
CL to OP Wall (not including under balcony)	5300mm
CL to OP Wall (including under balcony)	7700mm
SL to US Wall	6000mm

SL to feet of front row of seats (Row A)	1000mm
COVID 19 SL to US Wall	5000mm
COVID 19 SL to front row of seats (Row A)	2000mm

## Staging + Rigging

### Fixed Grid

Description	Fixed 40NB 3.2mm wall steel pipe (satin black finish) pipe grid across space. <i>Refer to Grid Plan.</i> Small stock of additional pipe to create alternative positions.  Additional single LX pipe above control desk in bio box.
Stage Floor to underside of pipe grid	4360mm
Pipe Grid Load Ratings	
<p><b>Working Load Limit (WLL) 5T</b></p> <p><b>Distributed Load</b></p>  <p><b>Point Loads</b></p>  <ul style="list-style-type: none"> <li>• Distributed and Point Load must NOT exceed the Working Load Limit</li> <li>• Total load between mid points of pickups not to exceed 100kg</li> <li>• Point Load is a single point load. Additional point load must not be loaded within 3m.</li> <li>• Point Load and Distributed load must not be loaded at the same locations.</li> </ul>	
Rigging Points	Fifteen (15) 1.5T rigging points, maximum of four (4) to be used at one time. <i>Refer to Rigging Point Plan.</i>

## Access Equipment

*Note: access equipment is shared across venues within the precinct and is subject to availability. Clients are encouraged to discuss their access needs with the venue.*

Model / Item	Notes	Qty
<b>Elevated Work Platform</b>		
Genie GS-1330 E-Drive	Self-propelled electric scissor lift. For use in New Benner Theatre only. Maximum work height (indoors): 5.9m Max platform height: 3.81m Lift capacity: 227kg (91kg extension deck) Machine Width: 0.78m Machine Length: 1.41m Weight: 885kg	1
<b>Ladders</b>		
Bailey 1.8m 150kg Fibreglass Platform Ladder (Model: FS13579)	Suited for use in Studio 1 & 2 Standing Platform Area: 508 x 416mm Weight: 17.5kg Maximum Reach: 3.8m Load Weight Capacity: 150kg	1
Gorilla 1.8-3.2m 150kg Fibreglass Dual Purpose Ladder (Model: FDM006-I)	Allocated to Gallery 1 & 2 Weight: 12.8kg Maximum Ladder Length: 3.2m Minimum Ladder Length: 1.8m Load Weight Capacity: 150kg	2
Bailey 2.3 - 4.5m 135kg Aluminium Multi-Purpose Ladder (Model: FS13644)	Allocated to New Benner Theatre Weight: 16.7kg Maximum Ladder Length: 4.5m Minimum Ladder Length: 1.2m – 2m (telescopic from floor to top rung) Load Weight Capacity: 135kg	1

## Stage Covers

*Note: Use of venue's Dance Vinyl requires consideration of its condition as a performance surface. Additionally, use of dance vinyl may incur additional fees for consumable and cleaning. Please contact venue to enquire.*

Dance Vinyl	Harlequin Reversible Black/White Dance Vinyl (4) rolls 18m x 2m each
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## Staging Inventory

Model / Item	Notes	Qty
<b>Tables</b>		
Bolero 5ft Diameter Round Centre Folding Table (Model: CC506) <a href="#">product link</a>	With black tablecloths to suit Table Top Diameter: 1.5m (5ft) Top Colour: White Legs Colour: Silver	8



<p>Lifetime 6ft Rectangular Folding Table (Model: 2901G) <a href="#">product link</a></p>	<p>With black or beige table cloths to suit</p> <p>Table Top Dimensions: 1830mm (L) x 760mm (W) Top Colour: White Legs Colour: Silver</p>	<p>5</p>
<p>Other Trestle Table</p>	<p>With black or beige table cloths to suit</p> <p>Table Top Dimensions 1830mm (L) x 760mm (W) Top Colour White Legs Colour Silver</p>	<p>3</p>
<p><b>Seating</b></p>		
<p>Bolero Black Steel Bistro Side Chair (Model: GL331) <a href="#">product link</a></p>	<p>Material: Steel Colour: Black Dimensions (mm): 855 (H) x 455 (W) x 520 (D) Weight: 4.9kg Seat Height: 450mm Seat Dimensions: 360mm (W) x 355mm (D) Stackable: Yes</p>	<p>48</p>
<p>Marius Black Stool <a href="#">product link</a></p>	<p>Materials: Plastic with steel legs Colour: Black (matte) Load Capacity: Yes Seat diameter: 100kg Width: 320mm Seat Height: 400mm Stackable: Yes</p>	<p>10</p>
<p>Black Chairs</p>	<p>Material: Plastic Colour: Black (matte) Dimensions (mm): 820 (H) x 510 (W) x 480 (D) Weight: 5kg Seat Height (mm): 450 Seat Dimensions (mm): 420 (W) x 400 (D) Stackable: Yes</p>	<p>16</p>
<p><b>Miscellaneous</b></p>		
<p>Black Lectern</p>	<p>'Art Starts Here' logo mounted to front. <i>Metallic gold lettering</i></p> <p>Built-in sound integration: No Built in light: No Lectern Dimensions (mm): 1200 (H) x 600 (W) x 600 (D)</p>	<p>1</p>
<p>Mobile Bar Unit</p>	<p>'Art Starts Here' logo mounted to front. <i>Metallic gold lettering</i></p> <p>Dimensions (mm): 1600 (L) 720 (W) x 1020 (H)</p>	<p>1</p>
<p><b>Rigging Hardware</b></p>		
<p><i>Limited rigging gear, including scaffold couplers, scaffold clamps, round and flat slings, and miscellaneous hardware available at the venue. Please enquire for numbers and specifics prior to using the space.</i></p>		

## Stage Masking

Fabric	Fullness	Location	Size	Qty
Black Wool	50%	Legs	4100mm (H) x 2400mm (W)	8
Black Wool	50%	Upper Mezzanine	2800mm (W) x 2330mm (H)	4
Black Wool	50%	Mezzanine Technical Masking	2240mm (W) x 2050mm (H)	1
Black Wool	50%	Lower Mezzanine	7470mm (W) x 2050mm (H)	2
Black Wool	50%	FOH Entry	2190mm (W) x 2170mm (H)	1
Black Wool <i>Fixed</i>	50%	Tabs / Smother <i>On curtain rail between LX 11 &amp; 12. DS of Cyc</i>	5310mm (W) x 4190mm (H)	2
White Cyc (Filled Cloth) <i>Fixed</i>	Flat	Tabs / Smother <i>On curtain rail between LX 11 &amp; 12.</i>	10600mm (W) x 4190mm (H)	1
Black wool	50%	Seating tabs - covers retracted seating bank	5310mm (W) x 2450 (H)	2

## Elevator / Service Bays / Scenic Dock

The Metro Arts Service Bay is located on Basement Level 2 of the West Village Carpark, **and has a maximum height of 2.3m**. Entry to the carpark is via Mollison Street. The Service Bays back directly onto the Metro Arts dock. Please discuss your access needs with your Event Coordinator prior to your booking period.

Description	Dimensions	
Elevator (from Foyer to NBT)	Door Dimensions (mm) 2000mm (H) x 900mm (W)	Internal Dimensions (mm) 2100 (H) x 1100 (W) x 1380 (D)
Service bay carpark size	2600mm (W) x 5400 (D)	
West Village carpark height clearance	2300mm	
Main FOH Sound Lock Doors	1970mm (H) x 1780mm (W)	
Service bay doors (closest to service bays)	2000mm (H) x 1780mm (W)	
Door from stage to BOH sound lock	2050mm (H) x 1800mm (W)	
Stairs into venue (from service bays)	Four (4) steps to stage level. 2300mm (W)	
Ramp (from service bays)	1500mm (W) – closest to service bay 1700mm (W) – door level	
Narrowest width to access NBT through Loading Dock (Pillar to wall in Loading dock)	1700mm (W)	
Floor to clear speaker	2300mm (H)	

## Other Staging Notes

- + Metro Arts adopts definitions outlined by *Live Performance Australia* when describing rigging work.
- + Attaching or suspending items using pre-existing / proprietary systems using a standard method is generally not defined as rigging by WHS regulations. This includes handing technical elements (lighting, sound, vision) from hook clamps, attaching cloths/drapes/banners, attaching scenery with a dedicated attachment point, attaching design elements and/or attaching/running cables.
- + Any rigging work beyond the above scope may require installation and sign-off by a qualified rigger, to be wholly arranged at cost by the client.

## Lighting

### Control

<b>Lighting Console</b>	ETC Ion Xe with (1) 24" LCD touch screen monitor; and (1) 24" LCD screen monitor
<b>Control Channels</b>	2048 outputs
<b>DMX Splitter</b>	(1) LSC MDRJ 10-way DMX Splitter
<b>Signal Distribution (DMX 512A Field Patching)</b>	512A distributed n Cat6A SFTP terminated as 5 pin XLR
<b>Signal Distribution (DMX 512A Rack Patching)</b>	512A distributed n Cat6A SFTP terminated as RJ 45
<b>Remote</b>	IRFR-BTS ETC iPad control app on iPad wifi 16GB
<b>Control Position</b>	PS of Bio Box Control Desk (standard)

### Dimmer / Power Distribution Racks

Model / Item	Amps	Notes	Qnt
LSC APS (Power Distribution) (Model: CC506)	40A	Location: Technical Gallery, Mezzanine Level (OP)	3
LSC iGen VI (Dimmer) (Model: CC506)	40A	with TruPower Location: Technical Gallery, Mezzanine Level (OP)	3
<b>Patch Rack</b>		LSC Redback Patch (located Technical Gallery, Mezzanine Level (OP))	

### House and Auxiliary Lights

<b>Independent Control</b>	Yes
<b>Control</b>	iPad - Crestron app via wifi (default position bio box) Wall panel - Stage level under Mezzanine (OP) Wall panel - Scenic dock behind stage (PS)
<b>Locations</b>	House Lights - stage, seating bank Auxiliary Lights - upper and lower mezzanine, doors/ entrance and seating bank treads Blues - mezzanine, bio box and back of house
<b>Fade Time</b>	15 sec (Non-adjustable)
<b>DMX Link to console</b>	Yes
<b>Notes</b>	Additional bio box blue lights, and blue-power outlets controlled via Crestron iPad app. House and auxiliary lights are patched into universe 1.

## Stage Luminaires

Make	Model / Item	Angle	Accessories / Details	Weight	Watts	Qty.
<b>Profiles</b>						
EK	LED Profile FC Narrow RGBAL <small>(Model: LEDPRO144) <a href="#">manual link</a></small>	15°-30°	DMX Zoom Lens with shutters	9.7kg	250w	6
EK	LED Profile FC Medium RGBAL <small>(Model: LEDPRO145) <a href="#">manual link</a></small>	25°-50°	DMX Zoom Lens with shutters	9.7kg	250w	6
<b>Fresnels</b>						
SilverStar	LED Fresnel RGBAL DMX Zoom (Frezno ze-2 RGBAL) <small>(Model: LEDFRE116) <a href="#">manual link</a></small>	15°-45°	DMX Zoom with barndoors	7.6kg	230w	10
<b>Par Cans</b>						
Showpro	LED LitePAR Pro Quad-12 RGBW <small>(Model: LEDPAR121) <a href="#">manual link</a></small>	25°	12x 8w RGBW LED with barndoors	3.2kg	180w	18
<b>Cyc</b>						
SilverStar	LED CYC2 RGBAL <small>(Model: LEDCYC101) <a href="#">manual link</a></small>	45 x 60°	Two pixels	10kg	180w	6
<b>Moving Lights</b>						
SilverStar	Pluto 350 Moving Head Spot <small>(Model: PLUTOO350) <a href="#">manual link</a></small>	5°-35°	CMY	18.5kg	350w	4
<b>Special Effects / Other</b>						
Martin	Atomic 3000 LED Strobe <small>Model: MARTIN3000) <a href="#">manual link</a></small>		RBG	7.8kg	740w	1
AVE	UV 18 LED Light Bar <small>Model: AVE LEDBAR-UV19) <a href="#">product link</a></small>		18 x 4W UV Wash	1.1kg	72w	6

## LX Accessories / Hardware

Make	Model / Item	Notes	Qty
<b>Hardware</b>			
Doughty	Boom Arm	300 mm (long), 50 mm OD pipe	18
HME	Boom Base Plates	with casters	6
HME	Metal LX H-Stands	Various sizes	8
Big Show	Shot Bags	10 kg	20
<b>Fixture Accessories</b>			
<p>All lanterns have accessories available. Clients should contact the venue to confirm details and quantities.</p> <ul style="list-style-type: none"> <li>+ All fresnels have 4 leaf barn doors</li> <li>+ All profiles have a range of accessories available including irises and gobo holders.</li> <li>+ All profiles suit 'B' size gobo apertures only.</li> </ul>			

### Cabling

<b>240v Extension, 5-pin DMX</b>	The venue has a healthy stock of cabling, including 240v extension leads, and 5-Pin DMX leads venue's standard rig and additional equipment. Please discuss your requirements as additional cabling may be required of events with significant requirements
<b>3-Phase Extensions</b>	None

### Power

<b>3-Phase Outlets</b>	All outlets are 40A 5-pin connections
Stage Level	(1) Tech Panel 001 (DS PS) (1) Tech Panel 002 (US PS) (1) Tech Panel 003 (Scenic Store, behind stage PS) (1) Tech Panel 005 (US OP) (1) Tech Panel 008 (Auditorium PS)
Technical Gallery (Mezzanine OP)	(7) Dimmer Bay – 6 used for dimmer racks
<b>GPOs / Green Power / Blue Power</b>	Located at Technical Panels. <i>Refer to tech plans.</i>

### Special Effects

Make	Model / Item	Details	Watts	Qnt
Unique	2.1 Hazer <a href="#">manual link</a>	Haze machine without compressor DMX: 2 Channel (pump vs fan) Permitted Fluid(s): Unique 2.1 Haze Juice	1500w	1
Beamz	F1600 ProFaze <a href="#">product link</a>	Smoke machine in flightcase DMX: 2 Channel Permitted Fluid(s): TBC	1600w	1

<b>Smoke + Haze</b> Approval of Use	Any smoke / haze, dry ice or other that is brought into the venue must be approved prior to use. A safety data sheet will be required for all chemicals. The Venue Manager must be consulted whenever any smoke, fog or haze effects are used. The venue must be informed prior to each use of an effect as to make appropriate arrangements to isolate the fire alarm system appropriately. Metro Arts reserves the right to deny the use of any special effects.
<b>Smoke + Haze</b> Approved Fluids / Fees + Charges	Strictly only approved fluids may be used. Metro Arts can provide approved fluids subject to a consumption fee. Please contact venue to enquire.
<b>Cigarettes / Herbals / Vapourisers</b>	See above. Open flames are prohibited.
<b>Strobe / Lasers</b>	For audience comfort and safety, the use of strobe and/or lasers may require warning notices to be included in event billing and displayed publicly. Metro Arts may require additional documentation prior to approval. Please discuss your event needs with your Event Coordinator.

<b>Pyrotechnics / Flames</b>	Pyrotechnics and naked flames are strictly prohibited in all venues due to installed fire protection systems
<b>Flutter / Confetti</b>	Please discuss your event needs with Metro Arts. Any use of any items that may impose a hazard to the venue air-conditioning system may be refused by Metro Arts. Additional cleaning fees may be charged depending on circumstances.

## Other Lighting Notes

- + Limited gel stock provided by the venue. Please contact the venue to arrange a site visit or to enquire stock availability.
- + Battery powered and corded LED work lights are available upon request.
- + Any additional equipment being brought into the venue must be inspected by venue staff prior to installation or use.
- + Additional safety cables/ chains can be found in the tech store. *Enquire numbers before arrival.*
- + All electrical appliances and cables shall be tagged with an appropriate safety tag in accordance with AS 3760:20003.

## Sound

### Control Positions

Standard control position is in the bio box, directly behind the seating bank. The bio box features a three-panel operable glazed all and provides direct access to antennas for wireless microphones

Sound consoles can be placed in other locations by special arrangement in consultation with the venue. Mixing position in the seating bank cannot be achieved. Adequate time must be scheduled to accommodate relocation of the system. Additional cabling required to re-direct signal from wireless microphone antennas.

### System

<b>Primary Mixer</b>	Behringer X32 Digital Mixer
<b>Secondary Mixer</b>	Allen & Heath Qu-16 Digital Mixer
<b>Amplifiers</b>	None – self-powered speakers deployed.
<b>EQ / FX</b>	In-build features of primary mixer.
<b>Signal Distribution</b>	(2) Behringer SD16 Stage Box (1) Behringer P16-D 8-way Ultranet Distribution
<b>Playback System (Sound + Vision)</b>	<p><b>27-inch iMac (2019)</b></p> <p><i>System: Mac OS Big Sur 11.2.2</i> <i>Processor: 3.6GHz 8-core ninth-generation Intel Core i9 processor with Turbo Boost up to 5.0GHz.</i> <i>Memory: 64GB of 2666MHz DDR4 memory.</i> <i>Graphics: Radeon Pro Vega 48 with 8GB of HMB2 memory.</i> <i>Storage: 1TB of SSD storage.</i> <i>Display: Retina 5k display.</i></p> <p><b>16-inch MacBook Pro (2019)</b></p> <p><i>System: Mac OS Big Sur 11.7</i> <i>Processor: 2.6GHz 6-core Intel Core i7 processor with Turbo Boost up to 4.5GHz.</i> <i>Memory: 16GB of 2666MHz DDR4 memory.</i> <i>Graphics: Intel UHD Graphics 630.</i> <i>Storage: 512GB SSD.</i> <i>Display: 3072x1920 at 60.00Hz.</i></p>
<b>Playback Software</b>	<b>QLab 4.7</b> (audio, video, and lighting pro license)
<b>Fire System PA Ducking System</b>	Yes – required for all events.

### Speakers

<b>Front of House (Left + Right)</b>	(2) 12" Turbosound NuQ122-AN 2500w ( <i>flown</i> )
<b>Centre Fill</b>	(1) 12" Turbosound NuQ122-AN 2500w ( <i>flown</i> )
<b>Subwoofers</b>	(2) 15" Turbosound nuQ115B-AN 3000w ( <i>floor</i> ) <i>positioned under seating bank when in use</i>



## Additional Sound Equipment

Make	Model / Item	Details	Qty
<b>Additional Speakers</b>			
Turbosound	NuQ122-AN 2-Way 12" Full Range Loudspeaker <a href="#">manual link</a>	Wattage: 2500w Type: Self-Powered Nominal Dispersion: 70° H x 70° V @ -6dB points Frequency Response: 55 Hz – 18kHz ± 3dB 50 Hz – 20 kHz -10dB Maximum SPL: 131dB peak Dimensions(mm): 656 (H) x 374 (W) x 340 (D) Weight: 20.2kg	4
Turbosound	TFX122M-AN 12" Stage Monitor <a href="#">manual link</a>	Wattage: 1100w Type: Self-Powered Nominal Dispersion: 60° H x 40° V @ -6dB points Frequency Response: 75 Hz – 18kHz ± 3dB 68 Hz – 20 kHz -10dB Maximum SPL: 125dB peak Dimensions(mm): 302 (H) x 452 (W) x 504 (D) Weight: 16.9kg	4
JBL	EON615 15" 2-Way Loudspeaker <a href="#">manual link</a>	Wattage: 1000w Type: Self-Powered Nominal Dispersion: 90° H x 60° V @ -6dB points Frequency Response: 39 Hz – 20kHz ± 3dB 50 Hz – 10 kHz -10dB Maximum SPL: 127dB peak Dimensions(mm): 707 (H) x 439 (W) x 365 (D) Weight: 17.69kg	2
<b>Microphone Stands</b>			
K&M	259/1 Mic Stand	Extra low level - Black	3
K&M	259 Mic Stand	Low Level – Black	4
K&M	210/2 Boom Mic Stand	Black	8
Rode	DSI Desktop Mic Stand	Black	2
<b>Speaker Stands</b>			
K&M	21435 Speaker Stand	50kg load capacity	2
<b>Music Stand</b>			
Gravity	Music Stand		2
<b>Stage Boxes</b>			
Behringer	SD16 Digital Stage Box	16 inputs, 8 outputs	2
<b>Microphones (Wired)</b>			
Sennheiser	e865-S	Condenser vocal, super-cardioid, switched	2
Sennheiser	e835	Dynamic vocal, cardioid	2
Sennheiser	e914	Condenser instrument, cardioid	3
Sennheiser	e609	Dynamic instrument, super-cardioid	6

Sennheiser	e902	Dynamic instrument kick drum, cardioid	1
Sennheiser	e906	Dynamic instrument, super-cardioid	3
Behringer	Ultravoice XM8500	Dynamic vocal, cardioid	3
Shure	PG 58	Dynamic vocal, cardioid	2
Shure	SM 58	Dynamic vocal, cardioid	2
<b>Microphones (Wireless)</b>			
Sennheiser	EQ 145 G3 Kit	Case-mounted	8
Sennheiser	SK 100 G3	Compact bodypack transmitter	8
Sennheiser	HSP 2	Omni-direction condenser headset (beige)	8
Sennheiser	ME 2-II	Omni-directional clip-on lavalier	4
<b>DI Boxes</b>			
Radial	USB Pro	USB to balanced audio direct box	1
Radial	Pro D2	Stereo Passive Direct Box	1
Radial	J48 DI	Active Direct Box	2
Behringer	Ultra-DI Active Inject	Model D1100, 9v battery	3
Alto	Direct Box	DI1, 9v battery	1

## Cabling

<b>240v Extension Leads / XLR</b>	The venue has a healthy stock of cabling, including 240v extension leads and 3-Pin XLR to accommodate the venue's standard rig and additional equipment. Please discuss your requirements as additional cabling may be required of events with significant requirements.
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## Sound Notes

- + Venue standard speakers must not be adjusted.
- + Users are reminded to continuously monitor noise and exposure levels for personnel and patrons. See core staff or FOH members to access onsite digital sound level meter.

## Vision

### Projection (Venue Standard)

<b>Standard Projector</b>	(1) Epson EB-L615U <i>mounted on Epson ELPMB22 ceiling mount (900mm - 1300mm)</i>
<b>Standard Focus Position</b>	Focused onto upstage scrim. Projector rigged on additional bar DS of LX5.
<b>Standard Focus Image</b>	Approximate image size 5600mm (w) x 3500mm (H) <i>(depending on placement of LX fixtures)</i>
<b>Signal</b>	Data over Ethernet via Epson HDBaseT.
<b>Rigging Positions</b>	Projectors with appropriate rigging equipment can be rigged from any horizontal lighting bar.

### Additional Vision Equipment

*All stock subject to availability and shared across venue. Please enquire with venue for availabilities.*

Make	Model / Item	Details	Qty
<b>Additional Projectors</b>			
Epson	EH-TW6700 <a href="#">manual link</a>	Zoom: 1.6x (optical) Throw Ratio: 1.32 (Zoom: Wide), 2.15 (Zoom: Tele) Focus Method: Manual Output: 3,000 lumens (colour) 3,000 lumens (white) Resolution: 1080p Native Aspect Ratio: 16:9 Contrast Ratio: 70,000:1 Colour Processing: 10 bit Dimensions(mm): 310 (D) x 410 (W) x 163 (H) Weight: 6.9kg	1
Epson	EB-595Wi(e) (Ultra-Short-Throw) <a href="#">manual link</a>	Zoom: 1.0 – 1.35 (Digital Zoom) Throw Ratio: 0.27 (Zoom: Wide), 0.37 (Zoom: Tele) Focus Method: Manual Output: 3,300 lumens (colour) 3,300 lumens (white) Resolution: 1280 x 800 (WXGA) Native Aspect Ratio: 16:10 Contrast Ratio: 10,000:1 Colour Processing: 10 bit Dimensions(mm): 367 (D) x 375 (W) x 155 (H) Weight: 5.5kg	3
Optoma	W460ST (Short-Throw) <a href="#">manual link</a>	Zoom Type: Fixed Throw Ratio: 0.525:1 Focus Method: Manual Output: 4,200 ANSI lumens Resolution: WXGA 1280 x 800 Native Aspect Ratio: 16:10 Contrast Ratio: 20,000:1 Dimensions(mm): 245 (D) x 216 (W) x 109 (H) Weight: 2.95kg	2
<b>Rigging + Mounting Accessories</b>			
Epson	ELPMB22 Ceiling Mount		1
Epson	ELP-FP13 Extension Pole		1

Monitors			
Kogan	KALED42XXXVA	42" FHD LED TV	4
Kogan	KALED55UHDZF	55" Agora 4kSmart LED TV (UHD)	3

# Communications

## Talkback System

<b>Packs</b>	(6) RTC Universal Beltpack BP-4000 (wired)
<b>Headsets</b>	(6) German MAESTRO GMH D 8.400 D Headset (wired)
<b>Standard Locations</b>	Bio box (talkback can also be wired to any available tech panel)

## Programme Relay (Video)

<b>Camera</b>	Standard low light camera (not IR) – angle from the rear of the auditorium. Closed circuit, full-colour. Fixed.
<b>Relay Location(s)</b>	Green Room Dressing Rooms

## Programme Relay (Audio)

<b>Source</b>	Sennheiser MKH416, mounted at rear of auditorium
<b>Relay Location(s)</b>	Green Room (with local volume control) Dressing rooms (with local volume control) Bio Box (Yamaha MSR100 8", with local volume on unit)

## Stage Management

Standard stage management position is the Bio Box, located behind the seating bank, featuring 3-panel operable glass window. Alternative positions may be achieved – client to schedule appropriately to relocate position. Systems must be returned to standard at conclusion of event.

# Back of House Facilities

## Dressing Rooms

<b>Quantity</b>	Two (2)
<b>Capacity</b>	Dressing Room 1 – capacity of 5 persons Dressing Room 2 – capacity of 5 persons
<b>Location</b>	Above green room, accessible via staircase from green room. Additionally accessible from the technical gallery on mezzanine level.
<b>Facilities</b>	Make-up mirrors with task lighting. Build-in wardrobe and clothes racks. Locally controlled programme relay of stage (vision + audio). Locally controlled air-conditioning. Programmable electronic door security.

## Showers + Bathrooms

<b>Mezzanine (back of house)</b>	Separate facilities next to dressing rooms, accessed via staircase from green room or technical gallery.  + toilet + hand washing basin  + shower
<b>Ground (back of house)</b>	Accessible bathroom/shower in green room, stage level.  + accessible toilet + hand washing basin, shower, including bench

## Laundry + Wardrobe

<b>Washing Machine</b>	(1) Fisher & Paykel Front Loader Washing Machine 8kg (Model: WH8060J3) <a href="#">manual link</a>   <a href="#">quick reference link</a>
<b>Dryer</b>	(1) Fisher & Paykel Vented Dryer 5kg (Model: DE5060MU2) <a href="#">manual link</a>   <a href="#">quick reference link</a>
<b>Clothes Racks</b>	Fixed racks located in laundry and dressing rooms. No mobile racks available.
<b>Storage</b>	1x lockable cabinet in laundry available, designated for high-risk props. Very limited storage in back of house spaces – please discuss your needs with your Event Coordinator.
<b>Liquids / Consumables</b>	Metro Arts to provide facilities only. Client responsible for provision of detergent / consumables.
<b>Notes</b>	Articles must be removed from washer/dryer immediately upon completion of cycle as facilities remain in use by Metro Arts ongoing operations.

## Green Room Facilities

<b>Location</b>	Stage-level, behind stage (accessed via stage or scenic dock)
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<p><b>Kitchenette Facilities</b></p>	<p>Fridge / freezer  <del>Microwave</del> - currently out of service          Zip tap (filtered boiling water)          Small stock of utensils and crockery</p>
<p><b>Use</b></p>	<p>The green room is for the use of the presenter, performers and production personnel only. Family, friends or members of the public must not enter back of house areas without prior approval from Metro Arts. Strictly no consumption of alcohol in back of house areas, including green room and dressing rooms. Strictly no alcohol to be brought onsite.</p>

## Health, Safety + Environment (HSE)

### Fire Safety

- + All scenery, props, and masking must be suitably flame retarded and be rendered non-flammable to the satisfaction of Metro Arts.
- + No scenery and properties are permitted to block or obstruct designated exits at any time.
- + Flammable liquids, gasses, chemicals, solvents or other dangerous materials are not permitted to be brought on site of the precincts without approval.
- + The use of live flames (including candle) is strictly prohibited across all venues of the precinct. The use of haze or smoke effects is prohibited without prior permission from Metro Arts. Please refer to *Special Effects* under *Lighting*.

### Safety

- + Metro Arts and West Village is strictly a non-smoking precinct. This includes the use of e-cigarettes and vaporizers.
- + Alcohol is not permitted to be consumed before or while on duty. Alcohol is not permitted to be consumed in the back of house areas, including the bio box, green rooms and dressing rooms, unless pre-approved by Metro Arts. Alcohol must not be brought onsite, even if not being consumed in accordance to the venues liquor license. Failure to comply may result in termination of contract.
- + Footwear and clothing must be appropriate to the activity. Enclosed footwear is required at all times during bump-ins/outs. Any barefoot personnel (including performers) must be appropriately risk assessed.
- + All electrical appliances and cables shall be tagged with an appropriate safety tag in accordance with AS 3760:20003.
- + No single insulated cable is permitted to be connected to any Metro Arts power source. However, set-electrics or other electrical items that work on extra-low voltage are permitted as long as the power supply is tested and tagged and the electrical device has been deemed safe by Metro Art's Technical Coordinator.

### Risk Assessment

**A risk assessment must be submitted at least 7 days prior to the first day onsite and must include bump-in / bump-out periods. Entry into the venue may be refused until a risk assessment can be provided.**

A comprehensive risk assessment is required during pre-production for all shows and events. The Risk Assessment needs to consider the risks associated with your specific event. It should be submitted to Metro Arts at least seven days prior to the event. Our staff can assist you with this process, including a venue standard sanctioned template.

General considerations include:

- + All equipment brought on site is subject to safety checks by Metro Arts staff prior to installation or use.
- + All electrical appliances and cables shall be tagged with an appropriate safety tag in accordance with AS 3760:20003.
- + Overhead equipment (including lighting and scenery) must be rigged by competent persons.
- + Rigging of high-risk items and/or equipment must be rigged by a qualified rigger, using appropriately certified equipment.
- + Equipment rigged overhead must be secured with a safety chain or similar redundancy.
- + Approved drapes must be of a fire-retardant fabric or treated with an approved fire retardant and with an appropriate label attached to the drape.
- + Compressed air may only be used by suitably trained operators.



# Other

## Accessibility

Metro Arts is dedicated to ensuring that our venue is welcoming to all patrons.

<b>Assistive Listening System</b>	The New Benner Theatre provides a phonic ear radio transmitter system for its patrons. It includes headsets and neck loops to assist with hearing of performances and all seating positions are covered. For more information, contact your Metro Arts Event Coordinator.
<b>Access</b>	<p>The New Benner Theatre can be accessed by elevator from the Foyer to both the Mezzanine and Stage Level.</p> <p>For artists, the New Benner Theatre can also be accessed by ramp from the Service Bay. Please contact your Event Coordinator for further details.</p>
<b>Seating</b>	Accessible seating for patrons is available on both the Mezzanine and Stage Level.
<b>Auslan Interpreting</b>	Metro Arts can assist with organising an interpreter for your event. Please contact your Event Coordinator for further details.
<b>Accessible Bathrooms</b>	<p>There are accessible bathrooms in two locations across Metro Arts</p> <ul style="list-style-type: none"> <li>+ Green room, stage level (artists only)</li> <li>+ Factory lane (general public)</li> </ul>
<b>Assistance Animals</b>	Assistance animals are welcome in all areas of Metro Arts for both artists and patrons.
<b>Transport</b>	<p>Public Transport – Metro Arts can be accessed most easily by the 199 and 196 bus routes. Please see <a href="#">here</a> for more public transport options.</p> <p>Car – West Village’s carpark offers 2 hours free parking and both levels are wheelchair accessible and offer easy access to Metro Arts.</p>

## Storage

Limited storage space is available back of house. Please discuss your needs with your Metro Arts Event Coordinator.

## Rehearsal Rooms / Holding Areas

Metro Arts has two rehearsal studios located in the historical Peter’s ice cream factory. These studios feature full-length mirrors, semi-sprung dance floors and in-built sound systems. Subject to availability, additional fees apply. Please contact your Event Coordinator for more information.

## Document History

Revision #	Date	Author	Comments / alterations
6	17/04/2024	NK	Minor Updates
5	11/05/2023	TK	Formatting + general updates.
4	02/07/2022	TK	Formatting + general updates.
3	20/08/2021	TK	Minor updates
2	02/08/2021	TK	Update to include accessibility section
1.1	26/07/2021	TK	Update
1.0	17/12/2020	NS	Release
0.8	28/10/2020	BP	Draft (pre-release)
0.7	11/08/2020	BP	Draft (pre-release)
0.6	06/08/2020	NS	Draft (pre-release)
0.1	08/04/2020	NS	Draft (pre-release)

**New Benner Theatre**  
Technical Specifications

[metroarts.com.au](http://metroarts.com.au)

**Physical Address**  
Metro Arts @ West Village  
111 Boundary St  
West End Qld 4101  
Australia

**Postal Address**  
Metro Arts  
116/45 Mollison St  
West End, Qld, 4101  
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*The information contained in this document is given in good faith and is believed to be correct. All measurements are approximate and should be checked on site. To ensure information is up to date, please contact Metro Arts closer to the date of your intended event.*  
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