

Orange Civic Theatre

Technical Specifications

Updated 1 June 2020

Contents

STAGE.....	3
AUDITORIUM	3
ORCHESTRA LIFT/PIT	4
FLYING FACILITES	4
HANGING PLOT	5
DRAPERY	6
ACCESS EQUIPMENT	6
STAGING UNITS.....	6
STAGE COVERS.....	6
SAFETY CURTAINS	6
LOADING DOCK.....	7
ADDITIONAL RIGGING NOTES.....	7
STAGING NOTES.....	7
LIGHTING.....	7
STAGE LIGHTING	9
POWER.....	10
CABLING	10
AUDIO	11
AUDIO VISUAL.....	13
BACKSTAGE	14
DRESSING ROOMS	14
LAUNDRY/WARDROBE.....	14
PRODUCTION FACILITIES.....	15
GREENROOM	15
STAGE DOOR.....	15
ADDITIONAL FACILITIES AND INFORMATION	15
VENUE CONTACT DETAILS	16

STAGE

Brief Stage Description:

Unraked stage, with a proscenium arch and flying facilities. Sprung Hardwood floor covered with Masonite sheets painted black. Screwing into stage surface is permitted but larger holes to be authorised by Technical Manager.

Stage distributed load limit	1000kg/m²
Stage point load limit	
Stage rake	No rake

Stage Dimensions:

Proscenium

Width	11.1m
Height	5.7m

Setting Line

165mm upstage of the rear of the proscenium. (Allows for fire curtain)

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

SL to DS edge of apron	710mm
SL to DS edge of Orchestra Pit	4775mm
SL to first fly line	310 mm
SL to last upstage fly line	9200mm
SL to rear wall	9340mm
CL to OP wall (or obstruction)	9100mm
CL to PS wall (or obstruction)	8300mm
Stage to underside of grid	13.5 m

Overhead obstructions

Galleries on PS & OP Height to Underside of Galleries 6.25m

AUDITORIUM

Auditorium consists of stalls in continental style raked seating. (No centre aisles)

Seating capacity	518
Seating capacity with Sound Desk and Stairs into Auditorium installed	502

ORCHESTRA LIFT/PIT

Orchestra Pit

Orchestra pit is motorised by screw jacks and operational only from pit.
 Orchestra pit has a solid front wall so cannot be set at auditorium level.
 Set positions for orchestra lift where lift at auditorium level is 0mm
 Stage level at **1000mm** above auditorium.
 Orchestra pit level at **2440mm** below auditorium.

Lift can be set at any height **NO**
 SWL of orchestra lift **750kg/m²**
 Dimensions of the orchestra pit **10.5m front x 7.5m rear x 4m width at centre of pit**
 Orchestra pit maximum capacity **20 - 30 orchestra members**

FLYING FACILITES

Fly System

Single purchase counterweight handline system

Fly System Details

Operating Position	PS at stage level
Total number of Lines	40
Panorama Lines	N/A
Batten Drift	11.6m
Batten Type	50mmO/D pipe
Batten Length	14.0m
Batten Extensions	N/A
Batten Pick-ups	4
Batten Point Load	
Batten W.L.L.	
Cradle Capacity	250kg
LX bars can be swung	YES
Fly bars can be swung	YES

SEE HANGING PLOT FOR LINE ALLOCATIONS AND FURTHER INFO

HANGING PLOT

SL: Setting Line as indicated previously

Line Type: SP = Single purchase, DP = Double purchase, MW = Motor Winch, HW = Hand Winch, HL = Handline

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

Line #	Distance from SL	Line Type	W.L.L	Venue Allocation	Intended Use <i>(hiring company use)</i>
1	235mm	SP		House Curtain	
2	445mm	SP		Border	
3	685mm	SP		Legs	
4	935mm	SP		L.X.1	
5	1145mm	SP			
6	1385mm	SP			
7	1605mm	SP			
8	1855mm	SP			
9	2075mm	SP			
10	2295mm	SP		Border	
11	2530mm	SP		Legs	
12	2765mm	SP		L.X 2	
13	2995mm	SP			
14	3205mm	SP		Mid Stage Black Tabs	
15	3465mm	SP			
16	3675mm	SP			
17	3905mm	SP			
18	4145mm	SP			
19	4370mm	SP		Border	
20	4575mm	SP		Legs	
21	4835mm	SP		L.X 3	
22	5040mm	SP			
23	5295mm	SP			
24	5520mm	SP			
25	5760mm	SP			
26	5980mm	SP		Border	
27	6220mm	SP		Legs	
28	6455mm	SP		L.X 4	
29	6685mm	SP			
30	6915mm	SP			
31	7145mm	SP			
32	7375mm	SP		Black Tabs (Travellers)	
33	7575mm	SP			
34	7835mm	SP			
35	8055mm	SP		Black Smother	
36	8295mm	SP		Cyclorama	
37	8530mm	SP			
38	8755mm	SP			
39	8995mm	SP			
40	9205mm	SP		Tapestry	

DRAPERY

Type	Material	Colour	Width	Height	Quantity
House Curtain	Velvet	Blue	7300mm	6500mm	1
Borders		Black	14000mm	2000mm	4
Legs		Black	4000mm	6000mm	8
Tabs / Smother	Velvet	Black	7300mm	6500mm	4
Cyclorama		White	14000mm	7000mm	1
Scrim		Black	14000mm	6000mm	1

ACCESS EQUIPMENT

Elevated Work Platform

JLG Powered Elevated Work Platform

Maximum reach is **5.9 m platform height, 7.9 working height**

EWP Restrictions

Only Experienced Operators to use.

Ladders

Tallescope (Min Height 3.8m Max Height 5.9 m)

1 x 1.8m Wooden Step Ladder

1 x 1.8m Aluminium Step Ladder

1 x 2.8m Aluminium Step Ladder

1 x 3.7m Aluminium Step Ladder

1 x 4.5m Aluminium Extension Ladder

1 x 2.4m Fibreglass Step Ladder

1 x 3.0m Fibreglass Step Ladder

STAGING UNITS

6 X Stage Deck Risers (2.4 x 1.2) with adjustable legs available at 300mm, 600mm & 900mm.

STAGE COVERS

Style Tarkett
Dimensions 5 X 1.8M X 12M
Colour Black

SAFETY CURTAINS

Safety Curtain installed **YES**
 Safety Curtain must be unobstructed at all times **YES**
 Thickness of Fire Curtain **165mm**
 Distance from setting line **Rear of Fire curtain is Setting Line**

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

LOADING DOCK

Access

Truck access via car-park, off Lords Pl. Truck is able to reverse up to loading dock.

Loading Dock Height **0.95m**
 Door Dimensions **3.1m High**
 3.0m Wide

ADDITIONAL RIGGING NOTES

Theatre has a limited number of Shackles, Wire Cable and Slings

STAGING NOTES

All flown items must use rated equipment.
 Access to stage galleries is from PS & OP

LIGHTING

Positions:

Stage LX Bars L.X Bars are movable

See hanging plot for standard LX bar locations

Orchestra Bar

Setting Line to lighting bar
 Usable bar width **Tri – truss 50mm OD 9.0m Length**
 Notes Distance to Stage flown out 6.2m (bottom of truss)

FOH Bridge #1

Setting Line to lighting bar **11.4m**
 Usable bar width 12000mm
 Notes

FOH Bridge #2

Setting Line to lighting bar **16.4m**
 Usable bar width PS 4600mm OP 5700mm
 Notes Please note there is NO centre space to hang lights due to the
 follow spot loft.

FOH Perches (PS & OP)

Setting Line to Highest Lighting Position on both
 PS & OP IS 10200mm

Control:

Lighting desk **ETC ION Lighting Console**
 Control channels **2000**
 Signal output **DMX**
 Signal distribution **2 streams of DMX Available. 2 x 8 channel DMX splitter’s available**
 on OP galleries
 2 x W-DMX Wireless DMX Transmitters
 1 X W-DMX Wireless DMX Receiver
 Remote riggers available onstage **Yes**

STAGE LIGHTING

Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Pacific	12/28	Gobo Holders	1000w	12
Selecon	Pacific	14/35	Gobo Holders	1000w	12
Selecon	Pacific	23/50	Gobo Holders	600w	12
Strand	Cantata	11/26	Gobo Holders	1200w	6
Strand	Prelude	16/30	Gobo Holders	650w	36
Selecon	Pacific	90	Gobo Holders	600w	2

Fresnel's

Make	Model	Detail / Accessories	Watt	Total
Selecon	Compact	12 Barndoors	1000w	12
Strand	Cantata	12 Barndoors	1000w	12
Selecon	Rama	4 Barndoors	1000w	4
Selecon	Arena	6 Barndoors	2000w	6
Selecon	Acclaim	12 Barndoors	500w	12

PC

Make	Model	Detail / Accessories	Watt	Total
Strand	Cantata	20 Barndoors	1000w	20

Par Cans

Make	Model	Angle	Detail / Accessories	Watt	Total
	Par 64 (110v)	MFL	Black, Limited No: Of both WFL & NFL Lamps Available	1000w	36
	Par 64 (240v)	NFL/MFL	Chrome	1000w	8

Wash

Make	Model	Detail / Accessories	Watt	Total
Altman Spectra LED	Spectra 200	RGBA LED Cyc Units		4
ADB	AC Series	Single Units	1000w	15
Selecon	Acclaim	(4) cells per unit	500w	6

Followspots:

Make	Model	Angle	Detail / Accessories	Watt	Total
Chauvet Ovation	SP -300CW LED		6 Colour Magazine	300w	2

Additional Lighting:

Item	Make	Model	Detail / Accessories	Watt	Total
Birdies	Par 16 (12v)			50w	12
Atomic Strobe	Martin			2000w	1
Acme XA-400 Pro Spots	ACME				4
Martin Rush MH1	Martin				4
Clay Paky B-EYE K10 CC	Clay Paky				2
Colour Scrollers	LDR				12
Martin Rush Par	Martin				12
Hazer	Look Solutions	Unique 2			2
Mirror Ball	Pro Shop		500mm with Motor		1

Patching:

	Quantity	Numbering (OP to PS)	Detail / Accessories
FOH Bridge 2	12	1 -12	
FOH Bridge 1	30	13 - 42	
Orchestra Bar	30	43 - 72	
O.P 1	30	73 – 102	
O.P 2	30	103 - 132	
O.P 3	30	133 – 162	
O.P 4	30	163 - 192	
P.S Patch Panel	24	193 - 216	

POWER

3 Phase Outlets

- 5 on OP US Stage Level
- 1 in Control Room
- 1 in Projection Room (sound use only)

CABLING

240v Extension Cable

The theatre has a good stock of extension leads in varied lengths.

Looms

6 x 4way Wieland lighting looms

3 phase Extensions

Limited Supply Various Lengths

Lighting Notes:

Please note there is a follow spot loft in centre of FOH 2.
Measurements of follow spot loft are: Width 2730mm x Depth 1980mm.

AUDIO

Control Positions:

Auditorium:

Centre of Rows R & S (rear of stalls)

Total seat allocation **10**

Other

Control room or Side of Stage

Control & Amplification:

Primary Mixer's

Allen & Heath ILIVE T112 Digital Console (A&H IDR 48ch Mix Rack)

Allen & Heath GL 3300 32-8-2

Secondary Mixer's

Allen & Heath ZED16 FX

Allen & Heath ZED10

Amplifiers

3 x QSC Quad Amplifiers

EQ

1 x EV DX46 Processor

1 x DBX 480 Drive RACK

2 x SCV 128-28 Band

1 x SCV 231-SPR Dual 31 Band

FX

1 x Lexicon MX400XL Dual Stereo reverb FX Processor

Compression / Limiter / Gates

3 x DBX 1046 Quad Compressor/Limiters

Speakers:

FOH Speakers

12 x QSC 2082-I Line Array (6 per side)

2 x QSC WL 118 Sub Woofers

Foldback

6 x QSC K10 Powered Speakers

2 x EON Powered Speakers

4 x EV FM 1202 Wedges

2 x Australian Monitor F300 Wedges

Playback:

Item	Make	Model	Detail	Total
Mini Disk	Sony		Player/Recorder	1
CD Player	Stanton		Dual CD Player	1
CD Player	Yamaha		Single CD Player	1
CD/Cassette	Tascam		Single CD/Cassette Player	1
CD/IPOD Dock	Tascam		Single CD Player with Ipod Dock	1

Microphones:

Make	Model	Detail / Accessories	Use	Total
Shure	Beta 58	Clips	Vocals	7
Shure	SM 58	Clips	Vocals	3
Shure	Beta 57A	Clips	Instruments	2
Shure	Beta 56	Clips	Instruments	2
Shure	SM 57	Clips	Instruments	3
Shure	Beta 98	Clips	Drum Mics	3
Shure	PG 52	Clip	Kick Drum	1
Sennheiser	MD 43 IU	Clip	Vocal	1
Audio Technica	Line Cardiod			2
Beyer Dynamic	MCE 86			2
Sennheiser	MKE 42			3
Audio Technica	At2050			2
AKG	C214	(Matched Pair)		2
AKG	C1000			4
Sennheiser	E904			1
Shure	AD4Q Axiom Digital Radio-Microphones	Quad Rack/Lapel & Headset Microphones Available		1
Shure	UR4 Series Radio-Microphones	Dual Racks/Lapel, Headset & Handheld Microphones available		8
Radial Engineering	J48	Active DI		4
Crown	PCC 160			4
ARX	DI	Single Channel DI		4
SCV	DI MK 11	Active DI Box		2

Accessories:

Item	Model	Detail / Accessories	Total
Microphone Stand	Round Base		3
Microphone Stand	K&M	Long Boom Tall	9
Microphone Stand	K&M	Extendable Boom Tall	6
Microphone Stand	K&M	Extendable Boom Short	5
Microphone Stand	K&M	Extendable Boom Stubby	5
Microphone Stand		Desk/Clutch Stand	3
Microphone Stand		Very Large Boom	2

Line Patching:

Location	Quantity	Numbering	Detail
PS Behind Pros.	24	1-24	20 sends, 4 returns
OP Behind Pros.	24	1-24	20 sends, 4 returns
PS/Control Room	2		Cat5E
OP/Control Room	2		Cat5E

Cabling:

Audio Cable

The theatre has a good stock of Microphone cables.

Stage Boxes

1 x 20m 20 Lines

1 x 25m 8 way

1 x 15m 8 way

Audio Notes:

FOH Speakers are flown and cannot be moved

AUDIO VISUAL

Projectors:

Type	Model	Detail / Accessories	Total
Epson Multimedia	EB-G650W NL	Standard & Medium Throw Lenses	1
NEC	PX700W2	Standard & Short Throw Lenses	1

Screens:

3 x Projection Screens Available with both Front & Rear Screens

Screen dimensions 2 x 10' x 7.5'

1 x 13'11" x 8'1"

AV Playback Equipment:

Item	Model	Detail / Accessories	Total
Mac Book		Q Lab	1
Roland Vision Switcher			1

Cabling:

Theatre has a limited stock of coaxial, Cat5 and RCA Cables.

BACKSTAGE

Communications:

Stage Managers Desk

Stage Managers Desk is located in prompt corner. Desk is fitted with light and talkback.

Talkback

Master Unit	Jands Ezicom 4 Channels RTS Radio - Talkback BTR – 240 Wireless Unit
Total sub stations	6 x Jands Ezicom 4 x Barlow
Total headsets	9 x Beyer DT 108 Single Ear Muff 2 x Beyer DT 108 Dual Ear Muff
Radio Units In-house	4 x Wireless Units
Talkback patching located at:	Control Room (Master Unit) Prompt Corner Opposite Prompt Corner Sound Desk Other areas can be patched i.e.: Production Desk, Fly Rails & Orchestra Pit.

Paging / Show relay

Paging to the dressing rooms is available from prompt corner or the control room. Show relay is distributed to all dressing rooms, green room, wardrobe room, technical managers’ office, under-stage and the technician’s workroom.

Stage Monitor

TV’s are located in prompt corner, opposite prompt corner, green room, under stage and Forum/ Foyer. Other TV’s can be set up in the Orchestra Pit and also Front Perch Positions with prior notice.

Q Light System

In house Q light system available **NO**
Number of units **N/A**

DRESSING ROOMS

Dressing Room	Capacity	Toilets	Shower	Details
Dressing Rm 1	16	4 unisex	Yes 2	Dressing Room Located on Stage Level
Dressing Rm 2	24	5 unisex	Yes 2	Dressing Room Located on First Floor

LAUNDRY/WARDROBE

Washing Machines	1 x Westinghouse Large Automatic
Dryers	1 x Hoover (Domesic Dryer) 1 x Miele Dryer
Drying rooms	N/A
Iron / ironing board	1 X Iron & Ironing Board
Clothes racks	3 x Clothes Rack on Wheels

PRODUCTION FACILITIES

Production Desk

Production desk can be set-up in the centre of the stalls. Table can accommodate up to 3 people. Desk lamp, talkback, Shout mic & DMX are available.

Production Office

Props room off Green room can be set up as production office.

Wireless Internet Access Available

Yes (See Technical Staff for password)

GREENROOM

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

STAGE DOOR

Access

Stage door is located beside the loading dock off the car park. Access during bump-in, bump-out and performance times will be controlled by the duty technician.

ADDITIONAL FACILITIES AND INFORMATION

Orchestral:

- 30 x Music Stands with Sconce Lights
- 75 x Black Chairs
- 9' Steinway Grand Piano (stage only)
- Yamaha upright Piano Model U3 (stage only)

Rehearsal Space:

N/A

VENUE CONTACT DETAILS

Venue details:

Cnr Byng Street and Lords Place Orange
PO BOX 35 Orange 2800

Staff Contacts:

Performing Arts and Venue Manager – Michelle Pearce

Email: mpearce@orange.nsw.gov.au

Phone: 02 6393 8117

Technical Manager – Peter Telford

Email: ptelford@orange.nsw.gov.au

Phone: 02 6393 8116

Mobile: 0407 890 463

Senior Technician - Peter Campbell

Email: pcampbell@orange.nsw.gov.au

Phone: 02 6393 8116

Theatre Technician - Blake Thomas

Email: bthomas@orange.nsw.gov.au

Phone: 02 6393 8116

Venue Plans:

Venue Plan Available

Yes - hard copy Available, PDF or DWG file can be emailed on request.

Venue Section Available

Yes - hard copy only

Venue Information:

The Orange Civic Theatre is a traditional proscenium arch theatre seating 518 at full capacity.

A professional team comprising of a Performing Arts and Venue Manager, Technical Manager, Fulltime Technical and Box Office staff, along with casual technicians, Front of House and bar staff are employed by the theatre, which is owned and operated by Orange City Council

The Theatre is centrally located to the CBD.