

# TECHNICAL SPECIFICATIONS

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## Technical Specifications

### STAGE / MECHANICAL

#### STAGE FLOOR:

4.8mm Masonite sheeting on Johnson River hardwood

NOTE: Inform duty tech of any drilling or coach bolts requirements

Painted with low sheen black acrylic.

<b>STAGE DIMENSIONS:</b>	<b>(mm)</b>	
Proscenium width	13,110	
Proscenium height	6,070	
Stage height above auditorium floor	900	
Stage Apron	1,250	
House Curtain to Final Bar	7,310	
Final Bar to rear wall	850	NOTE: This is the only stage crossover available
Centre Stage to Flyrail PS	10,700	NOTE: Limited wing space
Centre Stage to wall OP	11,060	NOTE: Limited wing space
Stage edge to Pit / Thrust edge	2,560	
Thrust width	15,070	

<b>LOADING DOCK</b>	<b>(mm)</b>	<b>Situated Opposite Prompt Side</b>
Dock height	1,200	
Dock door height	2,200	
Dock door width	3,650	
Dock ceiling height	2,460	
Distance from stage	3,000	

<b>PORTABLE STAGING</b>	<b>DIMENSIONS:(mm)</b>	
10 x StageDex (black coated)	2000 x 1000	SPL 210kg or UDL 750kg/m <sup>2</sup>
10 x carpet tiles	2000 x 1000	
3 x complete sets of legs	150, 300, 600 & 900 high	
3 x complete sets of skirts	150, 300, 600 & 900 high	
4 x stairs to stage height	1000 wide.	Handrails on request



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### FLYLINES/ CURTAINING:

**Method:** Counterweight system  
**Operation:** All lines operated manually from prompt side at stage level  
 [Except house tabs when electric French Action in use]  
**Number:** 21 [4 line pickup]

Curtain	Quantity	Dimensions	Style
BLACK TABS	1 Pair	7.4mw x 7.0mh each	700 grade black wool 25% gathered
BLACK TABS	1 Pair	7.4mw x 7.0mh each	700 grade black wool 50% gathered
BLACK BORDER	4 Pieces	14mw x 1.8mh	700 grade black wool 50% gathered
BLACK LEGS	6 Pair	2.4mw x 6.0mh	700 grade black wool 50% gathered (2.4m wide)
BLACK LEGS	1 Pair	2.4mw x 7.5mh	700 grade black wool 50% gathered (2.4m wide)
BLUE TABS	1 Pair	7.4mw x 6.5mh	Dark Navy Blue Dana Velvet
CYC	1 Piece	16.0mw x 7.0mh	Filled cloth
WHITE SCRIMS	1 Piece	16m.0w x 7.0mh	Sharks tooth
BLACK SCRIMS	1 Piece	16m.0w x 7.0mh	Sharks tooth
STAR NET	1 Piece	9.0mw x 5.0mh	Bud lights on dark green fishing net

Bar	Capacity (kg) [Inc. Barrel]	Drift (m)	Distance (mm) from Prosc	Standard Rig
1	200	13.8	250	BLACK BORDER
2	300	13.8	490	BLACK HOUSE TABS TRACK -Elec. French [12seconds]
3	200	12.7	880	BLACK BORDER
A LEGS- Dead hung from grid			1000	Black legs 6m from centre
4	300	13.8	1230	LX1
5	200	13.8	1650	SPARE
6	200	13.8	1930	SCRIM                      Sharks tooth gauze - WHITE
B LEGS- Dead hung from grid			2300	Black legs 6m from centre
7	200	13.8	2360	1ST TRAVELLER      Black tabs - manual French action
8	200	13.8	2890	SPARE
9	200	13.8	3120	BLACK BORDER
C LEGS- Dead hung from grid			3300	Black legs 6m from centre
10	300	13.8	3450	LX2
11	200	13.8	4260	SPARE
12	200	13.8	4480	SPARE
D LEGS - Dead hung from grid			4700	Black legs 6m from centre
13	200	13.8	4940	BLACK BORDER
14	300	13.8	5430	LX3



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E LEGS - Dead hung from grid			5800	Black legs 6m from centre	
15	200	13.8	6090	LX4	
16	200	13.8	6420	2ND TRAVELLER	NAVY BLUE - Manual French Action
17	200	13.8	6760	LX5 CYC FLOODS	
18	200	13.8	7100	F LEGS	Black legs 7.5mh 6m from centre
19	200	12.7	7340	SPARE	
20	200	12.7	7570	SPARE	
21	200	12.7	7790	CYCLORAMA	

### LIGHTING SYSTEM

#### DESCRIPTION:

- Control: 1 x ETC-ION1500 (will import ASCII, TXT and ESF file format)  
 1 x (2 x 20) ETC-FADER WING  
 2 x 19" ELO Touch Screens
- DMX Stream 1: House dimmers and house lights  
 First 250 channels on stream 1 is assigned for house patch
- DMX Stream 2: Allocated for other DMX devices  
 dimmers
- Dimmers: All in-house patches outlet allocated to one 2.4K dimmer.  
 In-house dimmers - JANDS HPX  
 4 x JANDS HP available if required

#### LIGHTING STOCK:

Profiles:		In Stock		
ETC	Source 4 zoom (stay in FOH 1)	750w	18	6 iris - 18 B size gobo holders
	Source 4 Junior 25/50	575w	12	
Selecon	Pacific 14/32	1000w	6	10 Iris - Mix of A, B size holders
	Pacific 12/28	1000w	4	
	SPX 15/35	800w	8	
	SPX 25/50	800w	24	
<b>Fresnels / Plano Convex:</b>				
Selecon	SF1200	1200w	36	Barn Doors x 36
Strand	Cantata F	1200w	22	Barn Doors x 22
Strand	Cantata PC	1200w	6	Barn Doors x 6



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### Floods:

Selecon	Aurora 4 way (Cyc)	1000w	6
	Hui 3 way ground row	500w	6

### Par Can:

Black MFL 240v	1000w	24	Par Bars x 6
MR 16 Chrome	50w	12	

### Follow Spots:

*Selecon	Performer MSR	1200w	2	6 way colour magazine.
FAL	Sparkie MSR	575w	2	6 way colour magazine.

### Moving Lights:

*PR	XLED 590 Wash	480W	8
*PR	XL700 Spot	700w	6

### Colour/ Gobos:

A general selection of Lee and Rosco filters and a variety of gobos.

\*Specific to your requirements are available.

### Smoke/ Hazer:

*F100 (DMX controller x 2, Manual control x 1)	2
*Unique Hazer – DMX Controlled	2

### Rigging:

All fixtures have hook clamp, safety chain and gel frame

Boom Pole - 2 Metre	6
Boom Pole – 3 metre	8
Boom Arm	18
H Stands	10

### Looms:

18m x 8 way loom	6	(8 x 240v circuits)
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### PATCHING:

Each house patch is allocated to own 2.4K dimmer

Location:	# of Outlets	DMX Address
FOH	26 on bar	1 -26
PIT	24 on bar	73 - 96
LX1	24 on bar	97 - 120
LX2	24 on bar	121 - 144
LX3	24 on bar	145 - 168
LX4	24 on bar	169 - 192
CYC	12 on bar	193 - 204
PERCHES	10 per perch	206 – 216, 217 - 228
FLOOR TRAPS	9 per side	37 - 45, 49 - 57
CATWALK	10 above Prosc. Arch	27 - 36

### AVAILABLE 3 PHASE POWER:

- 3 x 40-amp 3 phase outlet with RCD - Dimmer Room
- 2 x 40-amp 3 phase outlet with RCD - Fly floor back wall
- 2 x 40-amp 3 phase outlet with RCD - PS stage level next to SM console
- 2 x 40-amp 3 phase outlet with RCD - OP stage level on Prosc. wall
- 1 x 40-amp 3 phase outlet with RCD - FOH roof PS wall ceiling

### SOUND SYSTEM

<b>Main System:</b>	Power distribution A/C – 20Amps left, 20 Amps right, 20 Amps stage/bio box
<b>FOH Speakers:</b>	Outline Mini Compass 6 per side Line Array – self powered 2 x 500w per box Outline SUBTECH.218SP double 18” 2000w self powered sub-woofers x 2
<b>Processors:</b>	1 x Genius 26 - FOH processor 1 x DBX 480 – FOH processor
<b>Foldback:</b>	6 x Yamaha MSR 400 self powered monitors-additional available on request
<b>Mixers:</b>	1 x Yamaha M7CL/48 1 x Yamaha 01v96 (16 channels) 1 x Soundcraft LX-7 (24 Channels)
<b>EQ:</b>	1 x Klark technik dn360 (FOH) 4 x DBX ieq31(monitors)
<b>FX:</b>	4 x Onboard Yamaha M7CL/48 1 x TC electronics M1 stereo effects unit 1 x TC electronics D2 stereo tap delay
<b>Comp. Lim. Gate</b>	2 x DBX 166 comp/limiters 1 x DBX comp 266 L & R (FOH)



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<b>Playback:</b>	1 x Denon MD 1050R Mini disc player 1 x Denon DN 1800F (double) 1 x Sony MDS JE 510 Mini disc player 1 x Denon C630 CD player 1 x Denon DT 620 CD & Cassette
<b>Mixing Position:</b>	Note: House mixing desk and processors are hard wired in Bio Box and cannot be removed.

### RADIO MICROPHONES:

24 x AKG WMS 4000 Receivers	
8 x AKG HT4000 Handheld microphones	
24 x AKG PT4000 Beltpacks	
24 x Sennheiser MKE2 Gold - lapels	
12 x Sennheiser HSP2 - headsets	11 x beige, 1 x black
12 x Shure WL93T - lapels	

### MICROPHONES / DIRECT BOXES:

<b>Shure:</b>	12 x SM58 2 x BETA 58 2 x SM58S 4 x SM57 1 x BETA 52A 5 x BETA 87 2 x BETA 91 1 x SM99 (gooseneck) 2 x SM809
<b>Sennheiser:</b>	2 x MD421 4 x E904 2 x K3U / ME80 (condenser/shotgun)
<b>Beyer:</b>	1 x M201
<b>Mann:</b>	4 x M11 (condenser)
<b>Rhode:</b>	4 x NT5 ( 2 x stereo pair)
<b>Neumann:</b>	2 x KMS105
<b>AKG:</b>	4 x C 3000 4 x CK31
<b>Crown:</b>	4 x Crown CM31 (OH mics)
<b>DIs:</b>	4 x Boss DI 1 6 x Behringer 1 x Behringer Stereo 1 x ARX



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**Mic Stands:** 12 x K & M stands tall boom  
12 x K & M stands small boom  
4 x straight round base

### **MULTICORES:**

House Patch:  
56ch stage box located on the OP proscenium wall  
Ch 1-40 connected to desk  
Ch 1-24 also switchable (bio box or stage)  
Ch 41-56 Male XLR & Female XLR on both ends  
3 x 20-way stage box to tails 25m  
1 x 12-way female stage box to male tails 30m  
2 x 12-way XLR loom with tails m/f 10m  
5 x 8-way XLR loom with tails m/f 8m

### **TALKBACK:**

Jands Ezicom system with 10 substations using Beyer DT280 headsets  
Talkback patch points available at SM's console, flyrail, OP corner, upstage centre, bio box, follow spot positions and production desk.

## DRESSING ROOMS / STAGE MANAGERS / BIO BOX

### **DRESSING ROOMS:**

**Quantity:** 2  
**Description:** Chorus style open room with smaller principal's room incorporated  
**Location:** At stage level, up stage, off stage, one each side  
**Dimensions:** Main rooms: 5,160mm x 4,050mm  
Small rooms: 3,000mm x 2,430mm  
**Facilities:** Full length mirrors, make up mirrors with lights  
Showers x 2, Toilets x 2, per main room  
Iron, ironing board  
Washing machine: Mytag  
Dryer: Fisher & Paykel domestic  
Chilled water fountain per main room  
Television per main room



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### **STAGE DOORS:**

<b>Quantity:</b>	2
<b>Description:</b>	Stage access is from outside the building via double door opening on to 9-metre corridor leading directly to dressing room entrances Stage doors are the stage area fire exits
<b>Location:</b>	At auditorium floor level, down stage, off stage, one each side
<b>Dimensions:</b>	Height: 2,100mm, Width: 1,850mm

### **STAGE MANAGER'S:**

<b>Console location:</b>	Prompt corner
<b>Facilities:</b>	Paging to dressing rooms Talkback master station Clock and stopwatch Television
<b>Show Relay:</b>	Sony video camera mounted centrally on auditorium ceiling Video camera feeds televisions at SM console, dressing rooms and all production areas.

### **BIO BOX:**

<b>Important note:</b>	Touring companies bringing own sound may set up a mixing position in the auditorium by removing seats S12 - S18 and T12 - T17 from sale House sound system mixer, drive and Fx are hard wired in Bio Box and cannot be removed
<b>Location:</b>	Rear of auditorium occupying V, W and X rows, central section [seats 9 - 21]
<b>Description:</b>	Box is open to auditorium sound Lighting control is at OP side of box; Sound control is at Prompt side
<b>Dimensions:</b>	Width 6,300 mm Front of box to back wall 2,600 mm Bench height 710 mm Bench depth 800 mm