

# TECHNICAL SPECIFICATIONS

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## Technical Specifications

### STAGE / MECHANICAL

#### 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			
BLACK BORDER			700 grade black wool 50% gathered
BLACK LEGS		6m x 2.4m	700 grade black wool 50% gathered (2.4m wide)
BLUE TABS			
CYC			Filled sharks tooth
SCRIMS			
GOLD TAB			

Bar	Capacity (kg) [Inc. Barrel]	Drift (m)	Distance (mm) from Prosc	Standard Rig
1	200	13.8	250	GOLD OR BLACK BORDER
2	300	13.8	490	HOUSE TABS TRACK -Elec. French [12seconds]
3	200	12.7	880	BLACK BORDER
A LEGS- Dead hung from grid			1000	Black legs 6m
4	300	13.8	1230	LX1
5	200	13.8	1650	SCRIM Sharks tooth gauze - BLACK or WHITE
6	200	13.8	1930	SPARE
B LEGS- Dead hung from grid			2300	Black legs 6m
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
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
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	
15	200	13.8	6090	LX4	
16	200	13.8	6420	2ND TRAVELLER	NAVY BLUE - Manual French Action
17	200	13.8	6760	CYC FLOODS	
18	200	13.8	7100	F LEGS	Black legs 7.5m
19	200	12.7	7340	SPARE	
20	200	12.7	7570	SPARE	
21	200	12.7	7790	CYCLORAMA	

### 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.

### STAGE DIMENSIONS: (mm)

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	NOTE: Steps (x1 set) to stage on PS against thrust edge, Pit / Thrust edge to A row seating 1,070 but can be moved to a different location.

### LOADING DOCK (mm) Situated Opposite Prompt Side

Dock height	1,200
Dock door height	2,200
Dock door width	3,650
Dock ceiling height	2,460
Distance from stage	3,000



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### LIGHTING SYSTEM

#### DESCRIPTION:

Control: ETC Insight 3 – 2 x DMX 512 streams  
 DMX Stream 1: House dimmers and house lights  
 \*First 250 channels on steam 1 is assigned for house patch  
 DMX Stream 2: Allocated for other DMX devices  
 Dimmers: Each in-house patch outlet allocated to one 2.4K dimmer.  
 In-house dimmer JANDS HPX  
 4 x JANDS HP

#### LIGHTING STOCK:

Profiles:		In Stock		
ETC	Source 4 zoom (stay in FOH 1)	750w	18	6 iris - 18 gobo holders
	Source 4 Junior 25/50	575w	12	6 iris – 12 gobo holders
Strand	Cantata 18/32	1200W	8	} Iris x 10
	Cantata 26/44	1200W	6	
	Prelude 16/30	650W	6	
Selecon	Condenser 12/28	1200W	18	Iris x 8
	Acclaim 18/34	650W	10	with gobo holders
	Pacific 15/32	1000w	6	
<b>Fresnels:</b>				
Selecon	SF1200	1200W	36	Barn Doors x 36
Strand	Cantata F	1200W	22	Barn Doors x 22
<b>Plano Convex Spots:</b>				
Strand	Cantata PC	1200W	6	Barn Doors x 6
<b>Floods:</b>				
Selecon	Aurora 4 way (Cyc)	1000W	6	
<b>Par Can:</b>				
	Black MFL	1000W	24	Par Bars x 10
	Chrome MFL	1000W	24	Par Bars x 6
	MR 16 Chrome	50W	12	
<b>Follow Spots:</b>				
Selecon	Performer MSR	1200W	2	Colour Mag

#### Moving Lights:

Available on request



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### Strobe:

Optikinetics White Lightning 1

### 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

DMX controlled Unique Hazer 1

\*Available on request

### 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:

20m Weiland 12

(4 Circuits with 240v headers)

20m Weiland 4

(4 Circuits with 110v headers)

### PATCHING:

Each house patch is allocated to own 2.4K dimmer

FOH	26 Outlets on bar	1 -26
PIT	24 Outlets	73 - 96
LX1	24 Outlets on bar	97 - 120
LX2	24 Outlets on bar	121 - 144
LX3	24 Outlets on bar	145 - 168
LX4	24 Outlets	169 - 192
CYC	12 Outlets	193 - 204
PERCHES	10 Outlets per side	
FLOOR TRAPS	9 Outlets per side	37 - 45, 49 - 57
CATWALK	10 Outlets above Prosc. Arch	27 - 36



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### AVAILABLE 3 PHASE POWER:

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

### SOUND SYSTEM

**MAIN SYSTEM:** A/C – 20Amps left, 20 Amps right, 20 Amps stage/bio box

**FOH Speakers:** Outline Mini Compass 6 per side Line Array – self powered 2 x 500w per box  
 Outline SUBTECH.218SP double 18” self powered sub-woofers X 2

**Foldback:** 6 x Yamaha MSR 400 self powered monitors

**Mixers:** Yamaha M7CL/48, Yamaha 01v (16 channels)

**EQ:** 1 x DBX 480 drive rack  
 Klark technik dn360 (FOH)  
 DBX comp 266 L & R (FOH)  
 4 x DBX ieq31(monitors)

**FX:** Onboard M7  
 2 x TC electronics M1 stereo effects units  
 1 x TC electronics D2 stereo tap delay

**Compressor / Limiter / Gates**  
 2 x DBX 166 comp/limiters

**Playback:** Denon MD 1050R Mini disc player x1, Sony MDS JE 510 minidisc x 1  
 Denon C630 CD player x 1, Denon DT 620 cass./CD player x 1

**Mixing Position:** Note: House mixer, drive and Fx are hard wired in Bio Box and cannot be Removed

### RADIO MICROPHONES:

	AKG WMS 4000 system	x 24
Handheld:	AKG microphones	x 8
	Bodypacks PT4000	x 24
Lapel:	Sennheiser MKE – 2 Gold	lapels x 12
	Sennheiser HSP – 2	Headsets x 12 beige, 1 x black
	Shure WL93T	lapels x 12



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### **MICROPHONES / DIRECT BOXES:**

<b>Shure:</b>	SM58 x 8, SM57 x 5, SM58S x 2, BETA 91 x 1, BETA 52A x 1, BETA 87 x 5, SM99 [gooseneck] x 1
<b>Sennheiser:</b>	MD421 x 2, K3U / ME80 [condenser/shotgun] x 2
<b>Beyer:</b>	M201 x 1, M300 x 2
<b>Mann:</b>	M11 x 5 [condenser]
<b>AKG:</b>	C 3000 x 2
<b>DIs:</b>	Boss DI 1 x 4, Behringer x 6, Behringer Stereo x 2, ARX x 1
<b>Misc.:</b>	K & M stands, 10 x large boom & 10 x 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 switchable (bio box or stage)  
Ch 41-56 Male XLR & Female XLR on both ends  
20-way stage box to tails 25-metre multicore x 2  
12 way female box to male tails 30-metre multicore x 1  
10 metre 12 way XLR Loom with tails m/f x 2

### **TALKBACK:**

Jands Ezicom system with 10 substations using Beyer DT209 headsets  
Talkback patch points available at stage manager's console, flyrail,  
OP corner, upstage centre, bio box, follow spot positions and the production  
desk.  
Wireless Easicom talkback x 2 stations

### **DRESSING ROOMS / STAGE MANAGERS / BIO BOX**

#### **DRESSING ROOMS:**

<b>Quantity:</b>	2
<b>Description:</b>	Chorus style open room with smaller principal's room incorporated
<b>Location:</b>	At stage level, up stage, off stage, one each side
<b>Dimensions:</b>	Main rooms: 5,160mm x 4,050mm Small rooms: 3,000mm x 2,430mm
<b>Facilities:</b>	Full length mirrors, make up mirrors with lights Showers x 2, Toilets x 2, per main room Iron, ironing board Washing machine: Hoover top load 7kg Dryer: Fisher & Paykel domestic



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Chilled water fountain per main room  
Telephone per main room  
Television per main room

### **STAGE DOORS:**

**Quantity:** 2  
**Description:** 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  
**Location:** At auditorium floor level, down stage, off stage, one each side  
**Dimensions:** Height: 2,100mm, Width: 1,850mm

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

**Console location:** Prompt corner  
**Facilities:** Telephone (on theatre PABX) and spare analogue telephone port  
Paging to dressing rooms  
Talkback master station  
Clock and stopwatch  
Television  
VCR  
**Show Relay:** Sony video camera mounted centrally on auditorium ceiling  
Video camera feeds televisions at SM console, dressing rooms, and in foyer

### **BIO BOX:**

**Important note:** 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  
**Location:** Rear of auditorium occupying V, W and X rows, central section [seats 9 - 21]  
**Description:** Box is open to auditorium sound  
Lighting control is at OP side of box; Sound control is at Prompt side  
**Dimensions:** Width 6,300 mm  
Front of box to back wall 2,600 mm  
Bench height 710 mm  
Bench depth 800 mm