



TECHNICAL SPECIFICATIONS

Revision History

| <u>Date</u> | <u>by</u> | <u>Details</u> |
|-------------|-----------------|--|
| 15/10/08 | Dean Harrington | Removed Shure Beta 52/Added Audix D6 microphone Added Wireless Internet Removed 2 x Shure SC4 Receivers and SC1 Transmitters Added 1 x DPA 4066F Headset microphone Removed Yamaha Amplifier Added Ballard information Cyclorama width updated Details Re: Piano Moving charges Added additional Stained Glass window gobo |
| 10/3/09 | Dean Harrington | Added Shure KSM27 microphones Added Shure 55SH Microphone Added Kawai Piano model no. Added dbx DB10 Passive DI |
| 24/7/09 | Dean Harrington | Removed Yamaha MS400 Loudspeakers Added JBL EON15P Loudspeakers Edited Dressing room, Fire Curtain & Internet access descriptions |
| 12/1/10 | Dean Harrington | Removed Sound craft Console Added Yamaha Digital Consoles Added Klark Teknik Graphic EQ Added Allen & Heath GL2400 console Added Whirlwind PC DI |

GENERAL INFORMATION

The Laycock St Theatre is a proscenium arch form with a raked auditorium and an orchestra pit, which is normally covered to provide a thrust area.

SEATING

Seating capacity is 396

FOYER

The theatre foyer features a kiosk and licensed bar.

DON CRAIG ROOM

The Don Craig Room is a multi-purpose room. It is available for small cabaret style shows, drama, through to meetings and conferences. It is also popular as a rehearsal space. It is equipped with a White board, Lectern, TV, VCR and DVD. There is a mobile 3.1 x 3.1 x 0.6m high stage. A small PA system and limited lighting is also available.

ORCHESTRA PIT

Dimensions are 8m x 3.5m. Access via stairs from P & OP side.
Depth from stage level 2.7m

ACCESSIBILITY

The auditorium is wheelchair accessible via the main entrance.

HEARING AID LOOP

A loop system operates in the auditorium. Patrons are advised to turn their hearing aid to the T switch to pick up program in theatre.

PLANS

Stage plans can be requested through the Technical Coordinator

LOAD IN AREA

Equipment is brought into the theatre via the loading dock situated on the southern side of the building, which opens onto P side of stage (access from Laycock Street). Bollards are in place to prevent unauthorised parking. Theatre staff has access to keys to remove these bollards.

Height of dock from street level - 830mm

Height - 2.7m

Width - 2m

Diagonal - 3.3m

STAGE DIMENSIONS

| | | |
|--------------|---|--------|
| Proscenium: | Width | 12m |
| | Height | 5 m |
| Stage Width: | Wall to wall | 22.5 m |
| | Centre Stage to P side wall | 11.3 m |
| | Centre Stage to OP Fly rail | 11.2 m |
| Stage Depth: | Setting line to back wall | 8550mm |
| | Setting line to last set of lines | 7780mm |
| | Setting line to edge of thrust | 2360mm |
| | (Setting line is considered to be the upstage edge of Fire curtain) | |
| Stage Floor: | Sprung Compressed board painted low sheen water based black. No rake. Note: Masking tape is not to be used on the stage floor. PVC electrical tape and gaffer tape is acceptable if it is removed after the event. Areas painted by hirer must be returned to black or original colour. Paint type must be approved before use. | |

STAGE MACHINERY

17 single purchase, 4 line counterweight sets are installed on OP wall. Flown from stage level OP side. Each set has a WLL of 300kg distributed. Maximum 100kg point load.

Lines 18 - 22 are connected to 5 Jands H250P-V Motorised Hoists. Each hoist has a WLL of 350kg distributed. Maximum 100kg point load.

Downstage of the Proscenium arch and above the forestage/orchestra pit, there is a single length of CSL22" concert box truss supported from two points by two inverted chain hoists with a SWL of 750kg. This truss can be used as an additional FOH lighting position.

FLY LINE MEASUREMENTS

| Line Number | From Setting Line (mm) | Max Drift - Stage Floor To Roof (mm) No Grid |
|-------------|------------------------|--|
| 1 | 350 | 11350 |
| 2 | 550 | 11060 |
| 3 | 750 | 11030 |
| 4 | 950 | 10890 |
| 5 | 1150 | 10980 |
| 6 | 1300 | 10890 |
| 7 | 1700 | 10800 |
| 8 | 2000 | 11100 |
| 9 | 2450 | 10950 |
| 10 | 2750 | 10890 |
| 11 | 3150 | 10700 |
| 12 | 3550 | 10550 |
| 13 | 3850 | 10150 |
| 14 | 4600 | 10410 |
| 15 | 5180 | 9850 |
| 16 | 5780 | 10210 |
| 17 | 6350 | 9590 |
| 18 | 6980 | 9660 |
| 19 | 7180 | 9580 |
| 20 | 7380 | 9590 |
| 21 | 7520 | 9240 |
| 22 | 7780 | 9150 |

STAGE LOADING - 400kg Max Point Load

FIRE CURTAIN - The fire curtain is located immediately upstage of the proscenium.

Released from: P and OP downstage corners

Winch up: Motorised from P corner

Fire Curtain travel must not be impeded by sets or obstructions.

DRESSING ROOMS

There are two large dressing rooms with lit makeup mirrors, benches, costume racks, toilets and showers.

An 8kg Washing Machine and 9kg Dryer are available for use.

OP side dressing room dimensions 11m x 5m.

P side dressing room is made up of smaller areas, which can be divided into separate rooms.

INTERNET ACCESS

A High Speed Wireless network operates in the theatre for use by authorised hirers. Security passwords can be obtained from Theatre Technicians. A LAN connection can also be arranged.

STAGE DRAPERY

HOUSE CURTAIN - The burgundy velvet house curtain normally hangs on Line 1.

| | | | |
|-----------|---------|--------|-----------------------|
| Legs: | 3 pairs | Width | 2m |
| | | Height | 6m |
| | | Cloth | Black, gathered, wool |
| | 9 pairs | Width | 3m |
| | | Height | 6m |
| | | Cloth | Black, gathered, wool |
| Borders: | x 2 | Width | 14m |
| | | Height | 2m |
| | | Cloth | Black, gathered, wool |
| | x 4 | Width | 14m |
| | | Height | 2 x 1m / 2 x 2m |
| | | Cloth | Black, flat, wool |
| Tabs: | 1 pair | Width | 7m |
| | | Height | 6m |
| | | Cloth | Black, gathered, wool |
| | 1 pair | Width | 6m |
| | | Height | 4m |
| | | Cloth | Black, gathered, wool |
| Cyclorama | | Width | 15m |
| | | Height | 6m |
| | | Cloth | White cotton |
| Scrim | | Width | 15m |
| | | Height | 6m |
| | | Cloth | Black Sharks tooth |

One 14m French Action Curtain Track is available for use.

STAGE MANAGER'S SYSTEM

Paging to dressing rooms from Prompt corner.

Show Relay to dressing rooms and foyer.

TALKBACK
1 x Jands Ezicom 2 ch Master Station
10 x Jands beltpacks
4 x Clear Com RS501 Beltpacks
DT109 and DT 108 Beyer headsets to suit

STAGE MONITOR SYSTEM
CCTV from Bio Box
2 stage monitors (P & OP)
Relay to dressing rooms, foyer and orchestra pit.
Conductor View camera feed to SM desk with split for extra monitors.
OP side/Fly rail View camera feed to SM desk. (Infrared)

KEYBOARD INSTRUMENTS

(Additional hire charge applies for all pianos and tuning)

- 1 x Yamaha C7 Grand Piano *(Based on stage in Auditorium. Additional charges apply for Piano moving)*
- 1 x Kawai US-60 Upright Piano *(Based in Don Craig Room. Additional charges apply for Piano moving)*
- 1 x Yamaha P120 Electric Piano

All pianos are tuned to standard concert pitch of A=440Hz. Variations will be considered. Please discuss needs as early as possible.

ORCHESTRAL FURNITURE

There is sufficient seating to furnish a large orchestra.
There are also 24 Music stands with sconces available for use.

STAGING

Standard 2400 x 1200mm Stage Risers (with black velvet skirting) are available for use. Please advise ASAP if risers are required. *(Additional fees apply)*

Heights: 300mm x 5
 600mm x 5
 900mm x 8

Treads 300mm x 2
 600mm x 2
 900mm x 2

**PLEASE NOTE: ALL THEATRE EQUIPMENT LISTED IS INCLUDED IN HIRE
CHARGE EXCEPT WHERE NOTED. PLEASE SEE RATES & CHARGES
DOCUMENT FOR HIRE RATES.**

LIGHTING FACILITIES

CONTROL

| | | |
|---------------------------------------|-------------------|--------------------|
| <u>ETC Express 48/96 (Auditorium)</u> | Max Channels | 192 |
| | Max Cues | 600 |
| | Ch Faders | 96 |
| | 2 scene Operation | 48 chs |
| | Submasters | 24 |
| | Max Submasters | 240 (on ten pages) |
| <u>JANDS ESP II (Spare/Backup)</u> | Channels | 48/96 |
| | Submasters | 24 |

DIMMERS

7 x Jands HP12-WMTR Dimmer racks (Total 84 x 2.4Kw)

7 x Jands HP6-WM Dimmer racks (Total 42 x 6Kw)

Dimmers are located on Catwalk level OP side. 1 x HP12 and 1 x HP6 are located at stage level for floor circuits (OP side)

POWER OUTLETS

2 x 50amp 3 phase outlets located OP side downstage

DMX

2 x DMX lines from Bio Box to OP side downstage. A Jands DD8 Opto-Isolated DMX Splitter feeding all dimmers. There are 5 spare outputs.

FIXED LIGHTING POSITIONS

| | | | |
|------------|----------------|-----------------------|--------------------|
| FOH | FOH Catwalk | Length | 14 m |
| | | Throw to setting line | 8.75 m |
| | | Angle to setting line | 45 deg |
| | | Patch outlets | 26 x 10amp |
| | Truss | Length | 14 m |
| | | Throw to setting line | varies with height |
| | | Angle to setting line | varies with height |
| | | Patch outlets | 26 x 10amp |
| | P & OP Perches | Throw to setting line | 6.5m approx |

Stage

There are 4 wired bars which feed direct to dimmers
Line 4, 13, 15, and 17

PROJECTION

1 x 4m x 3m front/rear projection screen (twin white lace out). Flown or free standing.

1 x Epson EMP821 Data Projector (2600 ANSI Lumens). *Additional hire charge applies.*

1 x Liesegang dv 560 Flex Projector (4500 ANSI Lumens). *Additional hire charge applies.*

LAMP LIST

| <u>Brand</u> | <u>Qty</u> | <u>Wattage</u> | |
|--------------------------------|------------|------------------------|-----------|
| PROFILES | | | |
| ETC Source Four Zoom 25/50 | x 18 | 575w | |
| ETC Source Four Zoom 15/30 | x 4 | 575w | |
| Selecon 1200 Zoomspot 18/34 | x 10 | 1.2K | |
| Selecon Zoomspot 650 | x 6 | 650w | |
| Selecon Pacific 23/50 | x 10 | 1K | |
| Selecon Pacific 12/28 | x 6 | 600w | |
| CCT Silhouette 30 22/40 | x 16 | 1K | |
| FRESNELS/PC | | | |
| CCT Starlette | x 20 | 1K | |
| Selecon Rama 175 HP | x 10 | 1.2K | |
| Selecon Compact 1200 | x 4 | 1.2K | |
| Selecon Acclaim | x 5 | 500w | |
| Selecon PC 1200 | x 4 | 1.2K | |
| OTHER | | | |
| Par 64 | x 40 | 1K-110V | NSP/MD/WD |
| Par 56 | x 18 | 300w 240v | |
| Par 16 | x 10 | 50w 240v | |
| Selecon LUI 4 way Cyc Battens | x 8 | 1K | |
| CCT 3 way Coda units | x 7 | 500w | |
| Martin Atomic 3000 DMX Strobe | x 1 | 3K | |
| Geni Golden Strobe | x 1 | 2.7K | |
| Strobe | x 2 | 1K | |
| Martin CX-2 Colour Changers | x 2 | | |
| Martin Mania DC-1 Aqua | x 2 | | |
| Rosco Vortex 360 Gobo Rotators | x 2 | | |
| DISCO LIGHTS | | | |
| Martin Destroyer | x 1 | | |
| Martin Lynx | x 1 | | |
| Geni Shimmers | x 4 | | |
| Geni Sparklers | x 2 | | |
| Clay Paki VIP | x 1 | | |
| Mirror Balls | x 3 | | |
| FOLLOW SPOTS | | | |
| Clay Paki Shadow 1200 | x 2 | Located on FOH Catwalk | |
| Strand Cadenza 2kw | x 1 | Located Bio Box | |

SMOKE/HAZE *(Additional hire charge applies for all Smoke & Haze machines)*

Jem ZR33 Hi Mass DMX Fog Machine

Look Solutions Unique Hazer

Look Solutions Cryo Fog Low Fog Generator (requires Liquid CO2 at extra cost)

(Excessive use of fluid may incur additional charges)

GEL

A large assortment of Lee & Rosco Gel is available. Please notify as soon as possible if you require specific gel colours.

GOBO INVENTORY

All Rosco Cat # and B-Size unless noted.

| CAT # | Description/Name | Quantity |
|--------------|----------------------------|-------------------------|
| B932 | Stars 6 | 10 |
| 851 | Realistic Stars | 3 |
| 438 | European Stars | 1 |
| 514 | Star Cluster | 2 x A Size / 2 x B Size |
| 849 | Galaxy | 1 |
| 238-252 | Stars | 1 |
| 850 | Shooting Stars | 1 |
| B628 | Lightning 3 | 1 |
| B630 | Lightning 5 | 1 |
| B177 | Lightning Bolt | 1 |
| B238-276 | Lightning Branch | 1 |
| 164 | Cloud 6 | 3 |
| 169 | Cloud 11 | 2 x A Size |
| 170 | Cloud 12 | 3 |
| 168 | Cloud 10 | 2 x A Size / 5 x B Size |
| N/A | Meshed Clouds | 2 x A Size |
| 610 | Strato-cumulus | 1 |
| 020-707-012 | Rain | 1 x A Size |
| 154 | Half Moon | 3 |
| 501 | Linear 3 | 3 x A Size / 3 x B Size |
| 401 | Linear 1 | 2 |
| 504 | Linear 6 | 2 x A Size |
| B988 | Les Mis Quadrant Whirlpool | 4 |
| 389 | Geometrics 4 | 2 |
| 507 | Strands | 1 |
| 7760 | Internal Reflection | 2 |
| 396 | Geometrics 12 | 1 |
| B8048 | Weave | 4 x A Size / 4 x B Size |
| 508 | Slats | 2 x A Size |
| B545 | Les Mis Grill 8 | 4 |
| 90 | Bars | 1 |
| 7795 | Shattered | 2 |
| B119 | Leaf Break-up | 1 |
| 106 | Bare Branches 2 | 1 x A Size |
| 238-232 | Realistic Leaves | 1 x A Size / 1 x B Size |
| 404 | Tree 4 | 4 x A Size |
| 129 | Negative Web | 1 |
| 803 | Foliage Small | 1 |
| 238-279 | Foliage | 4 |
| 127 | Palm Leaf | 1 x A Size |
| 7793 | Forest Stage Right | 1 |
| 7794 | Forest Stage Left | 1 |
| 238-288 | Web | 3 |
| 119 | Leaf Break-up Small | 1 x A Size |
| B860 | Forest | 1 |
| 838 | Palm Tree | 1 |
| 238-231 | Jungle Leaf | 1 |
| 839 | Meshed Saplings | 1 |
| 840 | Meshed Woodlands | 1 |
| 822 | Night Lights 1 | 1 |
| 238-286 | City Lights | 2 x A Size / 3 x B Size |
| 509b | Neon 2 | 1 x A Size |
| 238-241 | Fire Escapes | 2 |

| | | |
|---------|---------------------------------------|-------------------------|
| N/A | Church Window | 1 |
| 825 | Montage | 1 x A Size |
| B537 | Stained Glass | 1 |
| N/A | Venetian Blinds | 1 |
| 802 | Stained Glass Complete | 2 |
| 238-206 | Windows | 1 |
| 203 | New York | 1 x A Size |
| 509a | Neon 1 | 1 |
| 238-275 | Fire/Waves | 1 x A Size |
| 176 | Flames 2 | 1 |
| 238-265 | Eagle | 1 |
| 516M | Meshed Eagle | 1 |
| 920 | Clock Face | 1 |
| B842 | Fantasy Castle | 1 |
| B845 | Medieval | 1 |
| B305 | Eiffel Tower | 1 x A Size / 1 x B Size |
| B307 | Statue Of Liberty | 1 |
| B304 | Arc de Triomphe | 1 x A Size / 1 x B Size |
| N/A | "Rose" in Star | 1 |
| N/A | "Rose" in box of stars | 1 |
| N/A | "Rose" and Stars | 1 |
| N/A | "Rose" on buildings and signs | 1 |
| N/A | "Rose" with shooting stars | 1 |
| B8079 | Shattered | 2 |
| 527 | Bricks | 2 |
| 43806 | Flaming Sun Prismatic | 1 |
| 56204 | Blue Lavender Feather light Colorizer | 2 |
| 55005 | Amber Red Stippled Colorizer | 4 |
| 77119 | Leaf Breakup Small | 6 |
| 77805 | Leaf Breakup Medium | 6 |
| 7703 | Double Hung Window | 4 |
| 77139 | Venetian | 4 |
| 7702 | Venetian Blind | 2 |
| 7759 | Shuttered Arch | 2 |
| 77138 | Cats Window | 2 |

AUDIO FACILITIES

FOH LOUDSPEAKERS

2 x Turbosound TL-1501 Loudspeakers
2 x JBL JRX118S Subs

Additional Loudspeakers

2 x JBL EONG2 15 Powered Speakers
2 x JBL EON15P Powered Speakers
4 x JBL EONG2 10 Powered Speakers
2 x JBL EONSUBG2 Powered Subs
2 x JBL JRX112M Foldback Speakers

AMPLIFIERS

1 x Crown Xs900 (FOH)
1 x Crown XLS602 (Subs)
2 x Crown XLS402

MIXING CONSOLES

Yamaha M7CL/48 Digital Mixing Console
Yamaha LS9 32 Digital Mixing Console
(Yamaha digital consoles available for FOH or Monitor duties)
Yamaha MX12/6
Allen & Heath GL2400 24ch Console

PROCESSING

1 x Klark Teknik Square One Graphic EQ (FOH)
1 x dbx 2231 31 band Dual Graphic EQ
3 x dbx 1231 31 band Dual Graphic EQ
3 x dbx 266XL Compressor/Gate
1 x dbx 1046 Quad Compressor/Limiter
1 x dbx 223XL Crossover
1x TC Electronic M300 Multi Effects
1 x Lexicon MX400 Multi Effects
1 x Yamaha D1500 Delay

PLAYBACK

1 x Denon D-T645 CD/Cassette
1 x Denon DN-D4500 Dual CD/MP3 Player
1 x Stanton C400 CD Player
1 x Stanton C402 CD Player
1 x HHB CDR830 CD Recorder
1 x Sony MDS-E10 Mini Disc Player

MICROPHONES

| | |
|--|-----|
| Shure SM-58 | x 8 |
| Shure SM-57 | x 8 |
| Shure SM-98A (2 x A98D Drum Mount) | x 4 |
| Shure KSM27 | x 2 |
| Shure 55SH ("Elvis Mic") | x 1 |
| Audix D6 | x 1 |
| Shure Microflex MX418/C Lecturn Microphone | x 1 |
| AKG C451 | x 1 |
| Rode NT5 | x 2 |
| Audio Technica ATM35cW | x 6 |
| Audio Technica AT-33 | x 2 |
| Audio Technica AT41a | x 2 |
| Audio Technica 4073 Shotgun | x 2 |
| Audio Technica 877 Shotgun | x 2 |
| Crown PCC | x 6 |

DI

| | |
|---------------------|-----|
| LA Audio DI2 | x 2 |
| Behringer Ultra DI | x 7 |
| SCV DI2 | x 2 |
| dbx DB12 Active DI | x 4 |
| dbx DB10 Passive DI | x 2 |
| Whirlwind PC DI | x 1 |

WIRELESS MICROPHONE EQUIPMENT

(Please Note: Additional Hire Charge Applies)

| | |
|---------------------------------------|--------------------------------|
| 2 x Shure U4D Dual Ch Receivers | (1 x MA, 1 x UA Frequency Set) |
| 2 x Shure U1 Bodypack Transmitters | (MA) |
| 2 x Shure U2 Handheld Transmitters | (UA) |
| 2 x Shure UC Bodypack Transmitters | (used with UA Receiver) |
| 12 x Shure SC4 Receivers | |
| 10 x Shure SC1 Bodypack Transmitters | |
| 10 x Shure SC2 Handheld Transmitters | |
| 12 x Shure ULXS4 Receivers | (M2 Freq Set) |
| 12 x Shure ULX1 Bodypack Transmitters | (M2) |
| 2 x Shure ULX2 Handheld Transmitters | (M2) |

WIRELESS MICROPHONE CAPSULE SELECTION

(Please Note: Additional Hire Charge Applies)

| |
|----------------------------|
| 7 x Shure SM58 |
| 5 x Shure Beta 58A |
| 2 x Shure Beta 87 |
| 14 x Shure WL-93T |
| 3 x Shure Beta 53 Headsets |
| 1 x Shure Beta 54 Headset |
| 1 x Shure WL51B |
| 5 x DPA 4066-F Headsets |
| 2 x Countryman E6 Earsets |

OTHER

Mic Leads
Large assortment of adapters & patch leads
Mic Stands (Booms & Straight)
Speaker Stands
Klotz 24/4 Smartlink 50m Multicore
Leem 12/4 25m Multicore

PATCHING

40 mic lines with splits from Orchestra Pit to Bio Box
20 mic lines with splits from P Side to Bio Box
16 Return lines from Bio Box to Orchestra Pit

ALTERNATIVE MIXING LOCATIONS

The Yamaha M7CL/48 console is situated in the open fronted bio box.
There is an alternative mixing position in the last row of seating. This option requires the physical removal of auditorium seats (Rows N 17-20, M17-20), which must also be withheld from sale at the box office.
Please liaise as early as possible should an auditorium operating position be required. Additional Charges may apply.