

Technical Rider
Leo Lee Art Centre Theatre
Date: September 30, 2016

Lighting:

Console:

Leviton Innovator 600 Lighting console	X 1
Grand MA2 Light Lighting console	X 1

Dimmer:

Macostar custom made 12x3kw dimmer	X 5
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Cyc Light:

LDR Inno 4 x A1000 CYC light 1kW	X 4
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Fresnel:

LDR Tono F2000 plus Fresnel 2kW	X 6
LDR Nota F1200 plus Fresnel 1kW	X 12

Profiles:

ETC Source Four 19°	X4
ETC Source Four 26°	X28
ETC Source Four 36°	X8
LDR Nota 18/36 1kW	X 6
LDR Nota 30/55 1kW	X 12
LDR Tono 18/36 2kW	X 3

Par Can:

DTS PAR 64	X 24
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Moving Lights:

Martin Mac Aura XB	X6
Martin Mac Viper Profile	X2

UV Light:

400W Long-Throw Series UV Spot/Flood	X1
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Scroller:

Chroma-Q Universal scroller X19
(Please refer to the lighting plot where
the scroller are hang)

* Scroller colour in order: 00, R312, R21, R19,
R26, R32, R27, R39, R47, R49, R62, R65, R80,
R59, R95, R91*

Chroma-Q PS 08 scroller PSU X4

Followspot:

Robert Juliat Topaze 1.2KW MSD Followspot X2
(with Telrad sight attached to the followspot)

Accessories:

ETC Source Four Iris X4

ETC Source Four B size gobo holder X10

LDR Gobo holder Nota X 2

Barn doors for Par Can and Fresnel

Rocao Revo Pro gobo rotation X1

Gobo:

GB 813/ Uneven Pane

GB 216/ Blizzard

GB251b/ Water Shimmer 2

GB 165/ Stone Wall

GB 703/ World

GB 414/ Aurora Borealis

Lighting Position:

Over head bridges X2

House left side boom X1

House right side boom X1

Dance Floor:

Rosco Cabriole Black/Grey 55''(W)x44'(L) X5

Rosco Cabriole Black/Grey 55''(W)x42'(L) X3

A/V:

Sound Console:

MACKIE ONYX 80 Series X 1
-32 Channel 8 Bus live sound console

Amplifier:

QSC DSP 322ua X1

- configurable DSP, 8 analog universal (mic/line) inputs
via Euro-style connectors, 8 analog outputs

QSC PLX 3602 X2

- 2 channels, 775 Watts/ch @ 8ohm,
1250 Watts/ch @4 ohm, 1800 Watts/ch @ 2 ohm

QSC CX 254 X1

- 4 channels, 170 Watts/ch @ 8ohm, 250 Watts @ 4ohm,
450 Watts/ch @ 2ohm

IC-audio MX-AMP 120E X2

- Mixer amplifier, 120 Watt, 5 inputs 120W

IC-audio AMP120 X1

Extron DA6 VAEQ X4

Bosch Piena Loop Amp X1

DBX 2215 X2

-2 Channel 2/3 Octave Equalizer X2

Speaker:

QSC ADS-52 front fill loudspeaker X11

-5'' high-efficiency woofer, CD horn loaded, .1'' dome tweeter

RH CFX 81 Loudspeaker X3

-A 2 way full range system includes a 8'' woofer and a 1'' tweeter

RH CFX 151 Loudspeaker X3

-15'' Woofer-2''HF 2 way complex conic loudspeaker

QSC HPR 122i on stage monitor X4

-Active 12'' LF Foldback monitor

QSC AD-C42T X1

-Waveguide-loaded neodymium HF transducer 4'' LF driver

Genelec 8020A X2

-Monitor speakers in booth

Communication/Show relay:

Clear Com MS 704 base station X1

Clear Com RS-602 Belt pack X6

Version 9.0

September 30, 2016

By Theatre Technician : Steven Luk

Clear Com CC-40 Headset	X6
Panasonic AW-E650 Show relay camera 1/2" CCDx3	X1
Panasonic AM-LZ16MD73 16X Power Zoom Camera Lens	X1
Panasonic AW-PH360 Pan Tile Base	X1
Panasonic AW-RP555 Camera, pan tile base remote control	X1
Olevia LCD TV 319 PB located at the drama studio at the back stage	X1
Olevia LCD TV 319 PB located at the booth	X2
Olevia LCD TV 319 PB located at the sound rack 3	X1
Olevia LCD TV 319 PB located at the 2nd front of house	X4
Topcon LCD TV EGO 22Y2 located at the booth , SL and SR	X3
Topcon LCD TV EGO 22Y2 located at the drama room	X1
Topcan LCD TV EGO 50K1 located at 9/F	X1
ViewSonic VA926 19" LCD monitor at the foyer	X1

Playback:

Tascam MD350	X1
Tascam CD-RW900CD	X1
Yamaha SPX2000 Digital Multi-Effecter	X1
EXTRON MAV Plus 128SV 12 input, 8 Output AV Matrix	X1
EXTRON MMX32 VGA A 3 Input, 2 Output VGA Switcher	X2
Pioneer DVD DVR-450H	X2
LG VCR player GC992NW	X1
Countryman Type 10 Direct Box	X3
Countryman Type 10 Stereo Direct Box	X1

Microphones:

Shure BETA 58A Wired Handheld microphone	X2
Shure BETA 57A Wired Handheld microphone	X2
Shure MX418S Goosneck Microphone	X1
Neumann KM184 Wired condenser microphone	X1
Neumann KM185 Wired condenser microphone	X1
Sennheiser EW135G2 Wireless microphone (e835 cardioid)	X4
Sennheiser EW145G2 Wireless microphone (e845 super-cardioid)	X2
Sennheiser EW100G3 Wireless Microphone	X6
Sennheiser EW100G2 Wireless belt pack	X4
Sennheiser EW100G3 Wireless belt pack	X12
Sennheiser ME 2 lavalier microphone	X4
(Note: EW100G2 have the same frequency as EW135G2)	
Sennheiser HSP4 in beige colour	X1
Countryman E6 directional earset (W6 sensitivity) in light beige colour	X10
Countryman EMW omni lavalier (S Response) in black colour	X2

AKG C451B Directional condenser microphone	X1
Crown PCC-160 Microphone	X4
Shure 55SH	X1
AKG C414XL II	X4
K&M Microphone stand	X10
Shure MX202 Microflex Overhead Microphones	X2
Countryman ISOMAX 2 power module	X4

Piano:

Yamaha C7 grand piano	X1
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Projector:

PLC-XF47	X1
-15,000 ANSI lumens	
-True XGA (1024 x 768) resolution	
-2,000:1 contrast ratio	

Projection Screen:

Draper Rolleramic, Viewing area: 6 Meter (H) x 4.5 Meter (W)	X1
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Stage:

Canada maple wooden floor (drilling or screwing the stage floor is not allow)
Orchestra pit at the apron of the stage
Three over head acoustic panel rig at the fly system's batten
Total of ten retractable acoustic panels located on stage left and stage right
Stage right and Stage left are using a total of 8 sets of German masking
Loading elevator has access to all floors
Hui Tong dry cabinet at stage right

Fly System:

A total of 22 line set

Electric chain hoists (1 ton motor) for 10 line sets. (SWL 300kg each)

Winch system for 12 line sets. (SWL 300kg each)

Line Set	Panel Edge Distances	Loft Block Distances (in mm)	Operation	Main Use of the Batten
1		350 (Away from the proscenium wall)	HW	Main Teaser
2		150 (Away from the proscenium wall)	HW	Main Curtain
3		100	EH	Projector screen (can be retractable using motor)
4		400	EH	1 st LX
5	600	1000	EH	Acoustic panel A
6	--	1300	HW	Spare
7	2100	1700	HW	Acoustic panel A (Rear)
8		2150	HW	Border
9		2300	EH	2 nd LX
10	2500	2900	EH	Acoustic panel B
11	--	3100	HW	Spare
12	4000	3600	HW	Acoustic panel B (Rear)
13		4100	EH	Mid-stage curtain
14		4200	HW	Border
15		4400	EH	3 rd LX
16	4600	5000	EH	Acoustic panel C
17	--	5100	HW	Border
18	--	5300	EH	4 th LX
19	6100	5700	HW	Acoustic panel C (Rear)
20		6200	HW	Spare
21		6400	EH	Spare (When the cyclorama is not in use, the spare batten will be used to fly the bottom part of the cyclorama)
22		6500	HW	Cyclorama

Note:

The running dimensions are from the face of the proscenium wall to the centre-line of the loft blocks for each batten set.

The panel edge location distances are for panels 1500mm wide, lying horizontal.

There are two line sets in front of the proscenium wall, they are line set one and two.

EH means Electric Hoist operated line set.

HW means Hand winch operated line set.

1st line set: Main Teaser

2nd line set: Main curtain

3rd line set: Projector screen (can be retractable using motor)

4th line set: 1st LX

5th line set: Acoustic panel A

6th line set: Spare

7th line set: Acoustic panel A (Rear)

8th line set: Border

9th line set: 2nd LX

10th line set: Acoustic panel B

11th line set: Spare

12th line set: Acoustic panel B (Rear)

13th line set: Mid-stage curtain

14th line set: Border

15th line set: 3rd LX

16th line set: Acoustic panel C

17th line set: Border

18th line set: 4th LX

19th line set: Acoustic panel C (Rear)

20th line set: Spare

21st line set: Spare (When the cyclorama is not in use, the spare batten will be used to fly the bottom part of the cyclorama)

22nd line set: Cyclorama