

GRAND THEATRE
DENNIS GARNHUM, ARTISTIC DIRECTOR

TECHNICAL INFORMATION PACKAGE

SPRIET STAGE

471 RICHMOND STREET
LONDON, ONTARIO
CANADA
N6A 3E4

ADMINISTRATION: 519-672-9030
BOX OFFICE: 519-672-8800

TABLE OF CONTENTS

1. GENERAL INFORMATION	2
a. Address	2
b. Technical Services, Programming and Box Office	2
c. Hotels, Restaurants and Taxi Service in Area	2- 3
d. Handicapped Access	3
e. Emergency and Non-Emergency Numbers	3
f. Parking and Miscellaneous	4
2. MANAGEMENT	5
a. Room Specifications	5
b. Accessibility	5
c. Crew Information	5
d. Policies	5
e. Business Hours	6
3. LOAD-IN AREA	7
4. CARPENTRY	8
a. Seating Specifications	8
b. Stage and Floor Dimensions	9
c. House Draperies	9
d. Linset Data and Support Areas	10
5. LIGHTING	11
a. Power, Dimmers and Control Board	11
b. Circuits	11
c. Lighting Equipment Inventory	13 - 13
6. ATMOSPHERICS	14
7. SOUND	19
a. Power and Control Locations	20
b. Hearing Assist System	20
c. Monitor and Paging Mic System	20
d. Sound Equipment Inventory	15 - 16
8. PROPS	17
a. Orchestra Pit	17
b. Music	17
c. Platform	17
d. Lecterns	17
9. WARDROBE	18
a. Dressing Room Breakdown	18
b. Quick Change Booth Inventory	18
10. STANDARD ATTACHMENTS	14

GENERAL INFORMATION

Address:

471 Richmond Street
London, Ontario
Canada
N6A 3E4

Technical Services:

Phone: +01 519 672 9030

Virtual Tour of the Grand Theatre Lobby, Spriet and McManus Stages:

<http://www.gotyoullooking.com/1grandtheatreondon/mht.html>

Project Manager

Paul Fujimoto-Pihl
Extension: 259
Email: pfujimotopihl@grandtheatre.com

Production Manager

Lyndee Hansen
Extension: 257
lhansen@grandtheatre.com

Technical Director

Daniel Bennett
Extension: 269
dbennett@grandtheatre.com

Assistant Technical Director

Brayden Crawford
Extension: 359
bcrawford@grandtheatre.com

Programming:

Rentals Coordinator
Karen Killeen
Extension: 260
kkilleen@grandtheatre.com

Front-of-House Manager/Patron Services

Carolyn Botton
Extension: 265
cbotton@grandtheatre.com

Box Office:

Box Office Manager
Cheryl Willison
Phone: 519 672 8800
Extension: 403
cwillison@grandtheatre.com

Area Hotels:

Delta London Armouries
325 Dundas Street
London, ON, N6B 1T9
519 679 6111
800 metres south-east of
theater

The Park Hotel London
242 Pall Mall Street
London, ON, N6A 5P6
519 642 4444
800 metres north of theater

Doubletree by Hilton
300 King Street
London, ON, N6B 1S2
900 metres south-east of
theater

Taxi Services:

U-Need-A-Cab
519 438 2121

Green Taxi
519 777 8888

GENERAL INFORMATION CONTINUED

Restaurants:

The Church Key
476 Richmond Street
519 432 4092
11 metres from theatre
Gourmet gastro pub

Winks Eatery
551 Richmond Street
519 936 5079
350 metres from theatre
American grill, pub, and patio

Garlics of London
481 Richmond Street
519 536 9060
5 metres from theatre
Canadian & Italian fine dining

Toboggan Brewing Co.
585 Richmond Street
519 433 2337
450 metres from theatre
Microbrewery with oven-fired pizza and small plates

Accessible Access:

Wheelchair accessible seats are available on the main level of the Spriet Stage.

Accessible seating locations are available in both the main and balcony levels of the Spriet Stage.

Accessible washrooms are located on all levels of the venue.

Elevator access is available on all levels of the venue.

A wheelchair is available for use on site from our Front of House office, based on a first-come, first-served basis.

Emergency Numbers:

Dial "911" for emergency services

Non Emergency Numbers:

Fire Department

400 Horton Street
519 661 4565

Police Department

601 Dundas Street
519 661 5670

Ambulance & Paramedic Services

340 Waterloo Street
519 679 5466

Hospital Emergency Room

London Health Sciences Centre
800 Commissioners Road E
519 685 8500

Urgent Care Clinic

St. Joseph's Hospital Urgent Care
268 Grosvenor St
519 646 6100

Dental Clinic

Colborne Family Dentistry
614 Colborne St
519 858 9230

Chiropractic Clinic

London Chiropractic Clinic
423 Colborne Street
519 434 4493

Parking:

There is no designated parking for visiting companies. On site truck parking in the loading alley may be available upon request.

There is a paid surface lot on the south side of Dufferin Avenue, west of Richmond Street. There is a parking garage on the north side of Dufferin west of Richmond. There is another parking garage on the south side of Dufferin, west of the surface lot.

Free parking is available on London city streets after 6 p.m. and on Sundays. Metered parking is also available on streets surrounding the Grand.

Designated accessible parking spaces are located in the surface lot behind the theatre, as well as in the multi-level parking garages on Dufferin Avenue.

Laundry:

Texmain Drycleaners
326 Springbank Dr
(519) 471-0220

Travel Directions:

The Grand is located just south of the Dufferin Avenue and Richmond Street intersection, on the west side of the street. Trucks larger than 24 feet must be travelling north bound on Richmond in order to back into the loading alley.

From North – Hwy 4 - travel south on Richmond Street

From South – Hwy 4 – travel north on Richmond Street

From West – travel east on York Street to Richmond; travel north on Richmond Street

From East – travel west on York Street to Richmond; travel north on Richmond Street

Time Zone:

Eastern Standard/Daylight Time

MANAGEMENT

Design Office:

Located on 5th floor

Phone: 519 672 9030, extensions: 269; 354; 358

Wi-Fi access available upon request

Stage Management Office:

Located on 1st floor

Phone: 519 672 9030, extensions: 222; 224; 230; 283

Hardwired internet access available, Wi-Fi access available upon request

Photocopier and large format printing and copying available by request

Green Room:

19' x 21' (5.79m x 6.55m)

Located on 1st floor – adjacent to dressing rooms, and down one flight of stairs from the stage

Equipped with sink, fridge, kettle, coffee maker, toaster, microwave, TV, tables and chairs

Program sound and video available

Stage Manager's Booth:

Located at rear of balcony (accessible from 5th floor), behind a sealed window

Audio: speaker with program sound and dedicated volume control

Video: 2 video monitors with programmable inputs available (colour FOH, infrared FOH, or MD Cam)

Production communication: touch screen paging system to backstage, dressing rooms, green room and rehearsal halls

Rehearsal Rooms: (subject to availability with prior arrangement)

Main Rehearsal Hall - The Developers Rehearsal Hall

Located on the 5th floor

Dimensions: 40' x 55' (12.20m x 16.80m)

Mirror on west wall: 40' x 5'9" (xm x 12.20m)

Second Rehearsal Hall- The Marjorie Blackburn Rehearsal Hall

Located on the 1st floor (basement)

Dimensions: 30' x 23' (9.14m x 7.01m)

Mirror on west wall 7' x 30' (2.13m x 9.14m)

Crews

Stage Hands and Wardrobe Running are members of IATSE Local #105

Terry Barker – Business Agent. Phone: 519-661-8639

Accessibility

Handicapped entrance - Box Office doors located on Richmond St

Elevators travel to every floor

Policies

- House opens half hour prior to curtain
- Building is a scent free environment
- Smoking is prohibited in the building. The designated smoking area will be located at least 30 feet from the main and stage door entrances.
- For additional Grand Theatre policies and procedures please see the Employee Handbook and the Health & Safety Manual. Copies will be provided upon request.

Business Hours

Administration

Monday to Friday 9:00 am to 5:00 pm; Saturday & Sunday Closed

Patron Services

Monday to Friday 9:00 am to 6:00 pm; Saturday 11:00 am to 6:00 pm

Open until show time on performance evenings;

Sunday (matinee performance days only) 11:00 am to 2:00 pm

December 24 11:00 am to 1:00 pm; December 25 CLOSED;

December 26 5:00 pm to 7:30 pm; December 31 11:00 am to 1:00 pm

January 1 – CLOSED

Summer Hours (July & August)

Monday to Thursday 9:00 am to 5:00 pm

Friday 9:00 am to 3:00 pm

LOAD-IN AREA

Dimensions: Loading doors are 9'9" high x 7'8" wide (2.95 m x 2.35m)
Maximum size set piece: 30' long x 4' x 4' (9.14m x 1.22m x 1.22m)
One truck up to 53' can be accommodated

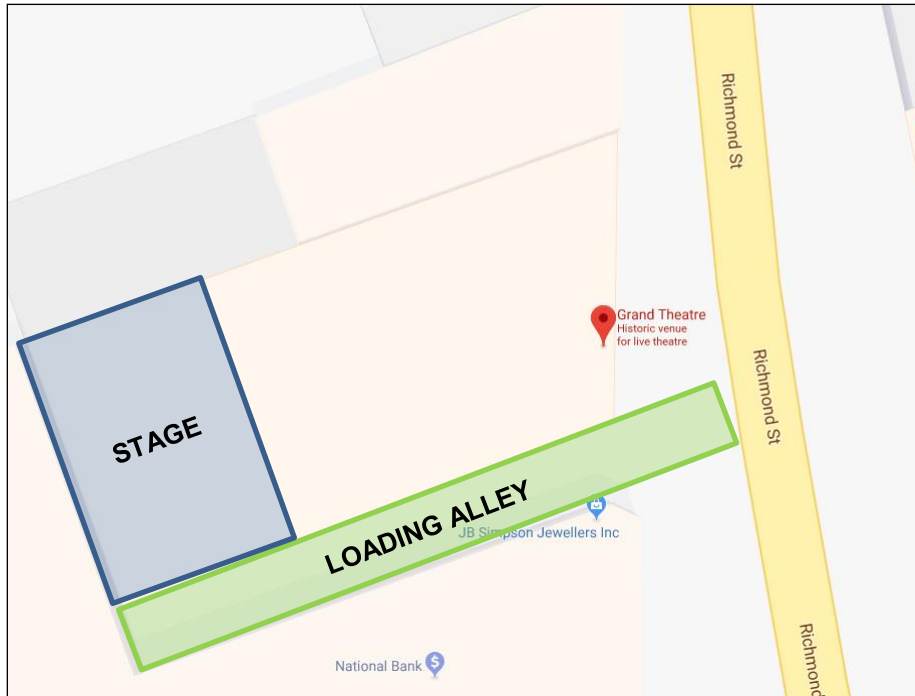
Loading doors are located stage right, adjacent to the stage on Richmond Street

90-degree turn required to get from the loading alley onto the stage

Loading at street level – **NO LEVEL LOADING AVAILABLE**

No trailer height loading dock available

No overnight parking available



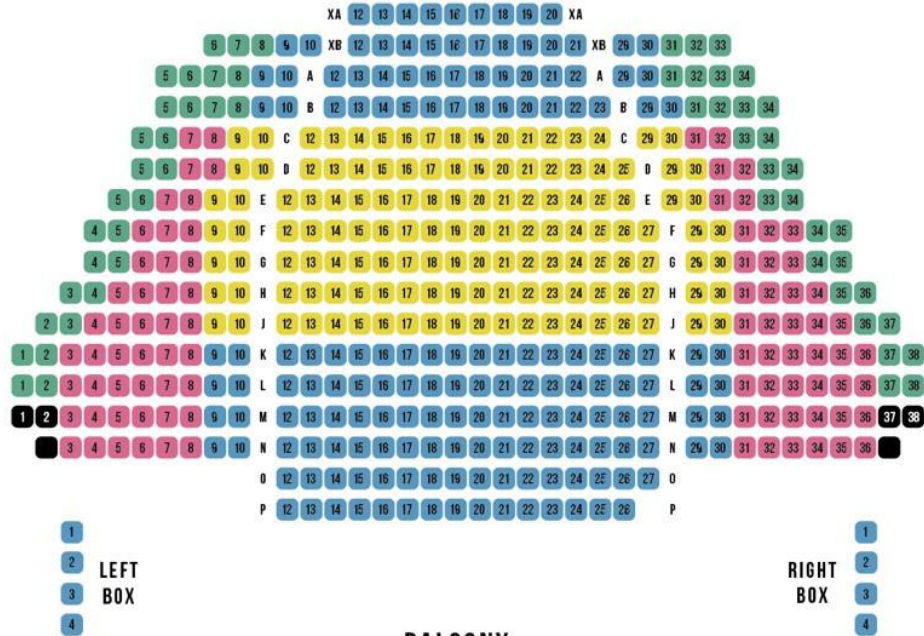
CARPENTRY

Seating

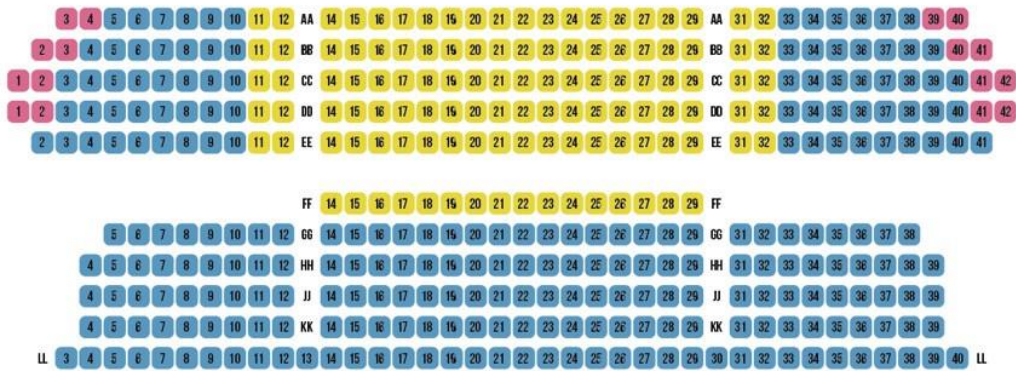
Orchestra = 451 (422 if the orchestra pit is open)
 Balcony = 380
 Boxes = 8
 TOTAL = 839 (810 if the orchestra pit is open)

STAGE

ORCHESTRA



BALCONY



Stage Dimensions

- ❑ Proscenium: Width: 38' 1-1/2" (11.60m)
 Height: 25' (7.60m)
 ****SL leg is upstage of SR leg in relation to front of stage***
- ❑ Stage Depth: Downstage to upstage wall: 41' 10" (12.75m)
 Curtain line to upstage wall: 39'6" (12.05m)
 Apron (curtain line to downstage): 3' 1" (0.94m)
 Fire curtain line: 8" (0.2m) downstage of curtain line **(cannot be obstructed)**
- ❑ Wing Space: Centreline to stage walls (clear): 38' (11.58m)
 Obstructions: fixed catwalks limiting clear height in wings to 24' (7.31m)
- ❑ Grid Height: 63'0" (19.20m) to bottom of grid
 A gridded pipe is at 58'
- ❑ Stage height: 3' (0.91m) above house floor

Stage Floor

- ❑ Hard tempered Masonite covering two layers of 3/4" plywood, resting on rubber cushioned 2x4 sleepers
- ❑ Painted Rosco Tough Prime black
- ❑ Traps: 4 sections, 4' x 4' (1.22m x 1.22m)
 - 1 section SL of centerline, 3 sections SR of centreline
 Trap height: 10'8" (3.25m)
- ❑ Staples cannot be used on stage floor unless a stapling strip is provided
- ❑ Screwing into the floor is permitted

House Draperies

- ❑ Main Curtain: Olive brown heavy velour with split approximately centre stage, guillotine only
 (Lineset 1 – manually or automatic operation from fly floor)
- ❑ House Border: 8'0" high x 56'0" wide (2.44m x 17.06m) – hard
 Lineset 2
- ❑ Legs: All legs are black velour, flat sewn
 2 hard legs @ 8'0" wide x 24'0" high – lineset 3
 8 soft legs @ 13'0" wide x 30'0" high (3.96m x 9.14m)
 2 soft legs @ 17'0" wide x 30'0" high (5.18m x 9.14m)
- ❑ Borders: All borders are black velour, flat sewn
 4 @ 12'0" high x 60'0" wide (3.65m x 17.06m)
 1 @ 18'0" high x 60'0" wide (8.53m x 17.06m)
- ❑ Full stage: 2 @ 28'0" wide x 30'0" high (8.53m x 9.14m)
 Creates full stage drape without fullness
- ❑ Scrim: 1 Black Sharktooth 28'0" high x 56'0" wide (8.53m x 17.06m)
 1 White Sharktooth 28'0" high x 56'0" wide (8.53m x 17.06m)
- ❑ Cyclorama: 1 White seamless filled scrim cloth 28'0" high x 56'0" wide (8.53m x 17.06m)
- ❑ RP Screen Medium grey 28'0" high X 56'0" wide (8.53m X 17.06m)

Line Set Data

- ❑ Line Plot: see Ground Plan and Section document
- ❑ Dedicated Line Sets:
 - # 1 – House Curtain
 - # 2 – House Border
 - # 3 – Hard Legs
 - # 45- Cyc
 - # 46- Fiber-optic star drop
- ❑ Fire Curtain: Motorized Black Zetex, soft unframed. Manual and automatic release.
- ❑ Working Height of Battens: high trim is 58' above deck, low trim is approximately 4' above deck
- ❑ Battens: 46 – 56' battens (17.08m), 1½" Schedule 40 pipe, black
Six lift lines per batten on 10' centres
Batten to batten spacing is 8" (with some exceptions)
- ❑ Type: Double-purchase counterweight
- ❑ Arbor capacity: 1500 lbs distributed, 500 lbs point @ lift line (681.81 kg)
- ❑ Available weight: approximately 25,000lbs available
- ❑ Winch capacity: Creative Conners Spotline rated at 500lbs SWL
2- CM Lodestar one-ton (1000KG) chain motors – pickle control only
4- CM Lodestar half-ton (500KG) D8 chain motors – Creative conners control
- ❑ Loading gallery: 2 floors above Stage Left Gallery, accessible by spiral staircase from fly floor
- ❑ Pin rail: 23' above stage level, at fly floor level, SL & SR

Support Areas

- ❑ Crossover: An 8' high wall creates a 46' long by 3' wide crossover along the upstage wall. The crossover wall is painted to match the black brick walls of the theatre. Sliding doors at center provide an upstage center entrance. See Ground Plan document
- ❑ Access: Stage can be accessed from stage right and stage left through hallways. Hallways also provide access to greenroom and dressing rooms down one flight of stairs. Stage can also be accessed from the first floor of the building through the Prop Shop.
- ❑ Shop Area: Prop shop located stage left through oversized bi-folding doors
Prop construction is under the jurisdiction of IATSE Local 828
- ❑ Storage: Limited storage is available off stage left, through oversized bi-folding doors.

LIGHTING

Power

120v, 3 phase, 200 amps

Touring power: 200A 3-phase 208v disconnect mid-stage right, buss bar connections only

Dimmers

- CD80 Supervisor Dimmers
- 490 Dimmers—dimmer per circuit
 - 450 at 2.4kW per dimmer
 - 40 at 6.0kW per dimmer
 - 6 non-dim modules available at 2.4kW
- Located in Dimmer Room on the 1st floor of the building, underneath the stage

Control Board:

- ETC Nomad (EOS) with programming wing and 1 fader wing
 - 10 universes available
 - 4 through ETC Response Gateway in control booth
 - 4 through ETC Response Gateway on stage right gallery
 - 2 on back of programming wing
 - Note:
 - Universe 1 – Dimmers hard line
 - Universe 2 – Onstage SR fly floor hard line w/opto-splitter
 - Universe 3 – house lights
 - Universe 4 – RC4 Magic Radio Dimmers
- Control is located in a booth at the rear of the balcony, house right
- Designer laptop running client mode with external monitor for production table
- DMX available for tour console back of the orchestra

Houselights:

- Controlled from the board

Circuits:

- Non Dims: 10 @ 6K (with 4 receptacles each on the patch bay)
- Circuits: (all L5-20 Twistlock, 120v 20amp)

FOH	118
Stage	302 - 36 each on LX 1 and LX 7, 24 each on LX 2 thru 6 (Note – LX pipes can be assigned to any non-dedicated linesets)
Prosc	5 stage right + 5 stage left
Balcony rail	8
Boxes	6 house right + 6 house Left
Other	8
Total	458

Equipment Inventory:

FOH Instrument	Qty	Manufacturer	Wattage	Bulb	Frame Size	Connect Type
ETC Source 4 14°	30	ETC	750	HPL 750	7.5 X 7.5	L5-20 Twistlock
ETC Source 4 19°	42	ETC	750	HPL 750	6.25 X 6.25	L5-20 Twistlock
Conv. Onstage Instrument	Qty	Manufacturer	Wattage	Bulb	Frame Size	Connect Type
ETC Source 4 10°	2	ETC	750	HPL 750	6.25 X 6.25	L5-20 Twistlock
ETC Source 4 26°	50	ETC	575	HPL	6.25 X 6.25	L5-20 Twistlock
ETC Source 4 36°	58	ETC	575	HPL	6.25 X 6.25	L5-20 Twistlock
ETC Source 4 50°	28	ETC	750	HPL 750	6.25 X 6.25	L5-20 Twistlock
LED Onstage Instrument	Qty	Manufacturer	Wattage	Bulb	Frame Size	Connect Type
ETC Source 4 Zoom 25°-50°	8 (cyc ladders)	ETC	750	HPL 750	7.5 x 7.5	L5-20 Twistlock
ETC Source 4 LED Series 2 Lustr 26° EDLT	12	ETC	171	LED	6.25 X 6.25	PowerCon
ETC Source 4 LED Series 2 Lustr 36° EDLT	30	ETC	171	LED	6.25 X 6.25	PowerCon
ETC Source 4 Fresnel	24	ETC	750	HPL 750	7.5 X 7.5	L5-20 Twistlock
COLORado Tri Tour	20	Chauvet	87	LED	7.5 X 7.5	PowerCon
Par 64	4		1000	MFL	10 X 10	L5-20 Twistlock
Solaframe Theatre	8	High End/ETC	440	LED	NA	TrueOne
Cyc Instrument	Qty	Manufacturer	Wattage	Bulb	Frame Size	
Color Force 72	12	Chroma-Q	660	LED	n/a	PowerCon
Color Force II 12	39	Chroma-Q	133	LED	NA	TrueOne

Other:

Misc.	Qty
Inky Fresnel	4
I-Cue Mirror for Source 4	6
City Theatrical DMX Iris	6
City Theatrical Beam Bender	4
DMX Gobo Rotator for S4	2
RevPRO Dual Gobo rotator	2
Iris for Source 4	33
24" Mirror Balls	6
16" Mirror Balls	9
12" Mirror Balls	1
Birdie Mini Pars	6
RC4 MAGIC Radio Dimmers	4 x 2-Channel Units
RC4 MAGIC Radio Dimmers	2 x 4-Channel Unit

Ladders:

- (2) 10 rung ladders – fixed in most US position. 1 lamp per rung.
- (4) 8 rung double wide ladders per side on ladder track and chain motors

Hardware Inventory:

- Top hats:
 - (20) 6.25"
 - (9) 7.5"

- Barn doors:
 - (24) Fresnel

- Pattern holders:
 - (49) Strand SL, B size
 - (10) Strand SL, B size glass
 - (55) Source 4, A size
 - (30) Source 4, B size
 - (2) Source 4, glass

- Booms
 - (8) base: 2' x 1'4"

Additional Amenities:

- 3 LED running blues per side (under catwalks)

ATMOSPHERICS

- (1) Ultratec Radiance Hazer
- (1) Ultratec Stage Fogger DMX
- (1) Antari DNG 200 Low Fog Machine

Power:

- Isolated Ground fed from FOH booth
- Main Breaker panel located in FOH booth
- Orchestra pit panel fed from FOH Booth
- Processing/amp rack fed from FOH booth
- All processing, mixers, playback, and input/output devices are on surge protected UPS devices

Control Locations

- Live mix position is in an open booth at the back-centre of the balcony

Hearing Assist System

- Listen Technologies RF hearing assist system installed
- 31 hearing assistance units available from box office (shared with studio space)

Monitor/Paging System

- Paging available from House positions, SM Booth, SM Office, Rehearsal Halls, Backstage Left and Right, and wireless headsets

Production Communication

- Helixnet Clear-Com wired headset system w/13 beltpacks, 16 headsets, 4 speaker stations; 12 channels available;
- Freespeak II 1.9Ghz wireless headset system w/12 beltpacks, 12 channels available (2 shared with Helixnet)
- Paging and program sound to all dressing rooms and greenroom
- Program video including infrared stage shot available onstage, in house, and in booths

Equipment Inventory**Mixing Consoles:**

- (1) Digico SD10T located in Mix Booth at back of balcony
 - Waves SoundGrid enabled
 - OptiCore Optical loop for signal to SD Racks
 - Please enquire about current software version running on console

- (1) Digico SD10T in flight case for designer remote, monitor console, or concert mix position in orchestra
 - Waves SoundGrid enabled
 - OptiCore Optical loop for signal to SD Racks
 - Please enquire about current software version running on console

I/O Racks – Connected in complete optical loop

- (1) SD-Rack feeding Galaxy processors
 - o (3) AES output cards
 - o (2) 32-bit Analogue output cards
 - o (1) AES input card
 - o (1) 32-bit Analogue input card
- (1) SD-Rack (Orchestra Pit)
 - o (7) 32-bit Analogue input cards
 - o (2) 32-bit Analogue output cards
- (1) SD-Nano Rack (RF World)
 - o (1) 32-bit Analogue input card
 - o (1) 32-bit Analogue output card
- (1) SD Mini rack (stage floater)
 - o (2) 32-bit Analogue input cards
 - o (2) 32-bit Analogue output cards
- (1) Orange Box (RF World)
 - o (1) Dante DMI Card
 - o (1) OpticalCon DMI Card

Fixed Speakers:

Location	Purpose	Model	Make	Power
Main System				
Low Prosc HL	Orchestra Left Main	CAL 32	Meyer	740w
Upper Prosc HL	Balcony Left Main	CAL 64	Meyer	1850w
Low Prosc HR	Orchestra Right Main	CAL 32	Meyer	740w
Upper Prosc HR	Balcony Right Main	CAL 64	Meyer	1850w
Centre Cluster Truss	Balcony Centre Channel	Ultra X40	Meyer	1950w
Centre Cluster Truss	Orchestra Centre Channel	Ultra X40	Meyer	1950w
Centre Cluster Truss HR	Balcony Subs x3 in cardioid config	750 LFC	Meyer	3100w
Beneath HL Box	Orchestra Subs x2 in endfire config	USW-210P	Meyer	1800w
Beneath HR Box	Orchestra Subs x2 in endfire config	USW-210P	Meyer	1800w
Fill and Delays				
Under Balc Outsides	Underbalc delay x1 per side outside	UP4 Slim	Meyer	500w
Under Balc Insides	Underbalc delay x2 per side inside	UP4 Slim	Meyer	500w
Under Balc Centre	Underbalc delay centre	UP4 Slim	Meyer	500w
Front Fill HL	Front Fill	UP4 Slim	Meyer	500w
Front Fill CHL	Front Fill	UP4 Slim	Meyer	500w
Front Fill C	Front Fill	UP4 Slim	Meyer	500w
Front Fill CHR	Front Fill	UP4 Slim	Meyer	500w
Front Fill HR	Front Fill	UP4 Slim	Meyer	500w
Over balc corner fill HL	Extreme HL lower balc	UP4 Slim	Meyer	500w
Over Balc Corner fill HR	Extreme HR lower balc	UP4 Slim	Meyer	500w
Orchestra Surround				
Beneath HL box US	Orchestra Surround Left	Ultra-X20	Meyer	860w
Beneath HL box DS	Orchestra Surround Left	Ultra-X20	Meyer	860w
HL wall under balcony x3	Orchestra Surround Left	Ultra-X20	Meyer	860w
Back wall orchestra HL	Orchestra Surround Left	Ultra-X20	Meyer	860w
Back Wall Orchestra HL	Orchestra Surround Rear – House left	Ultra-X20	Meyer	860w
Back wall Orchestra centre x3	Orchestra Surround Rear - Centre	Ultra-X20	Meyer	860w
Beneath HR box US	Orchestra Surround Right	Ultra-X20	Meyer	860w
Beneath HR box DS	Orchestra Surround Right	Ultra-X20	Meyer	860w
HR wood wall under balcony x3	Orchestra Surround Right	Ultra-X20	Meyer	860w
Back wall orchestra HR	Orchestra Surround Right	Ultra-X20	Meyer	860w
Back wall orchestra HR	Orchestra Surround Rear	Ultra-X20	Meyer	860w
Balcony Rail (evenly spaced)	Lower orchestra surround rear/overhead	Ultra-X20	Meyer	860w
Balcony Surround				
HL wood wall	Lower Balcony Surround Left US	UP4-Slim	Meyer	500w
HL above exit door	Lower Balcony Surround Left DS	UP4-Slim	Meyer	500w
HL above vom	Lower Balcony Surround Rear – house left	UP4-Slim	Meyer	500w
HL wall upper balcony x2	Upper balcony surround left	UP4-Slim	Meyer	500w
Back wall HL	Balcony Surround Rear – House left	Ultra-X22	Meyer	860w
Back wall CHL	Balcony Surround Rear -Centre House Left	Ultra-X22	Meyer	860w
Back Wall CHR	Balcony Surround Rear – Centre HR	Ultra-X22	Meyer	860w

Back Wall HR	Balcony Surround Rear – House Right	Ultra-X22	Meyer	860w
HR wood wall	Lower Balcony Surround Right US	UP4-Slim	Meyer	500w
HR above exit door	Lower Balcony Surround Right DS	UP4-Slim	Meyer	500w
HR above vom	Lower Balcony Surround Rear – House right	UP4-Slim	Meyer	500w
HR wall upper balcony x2	Upper balcony Surround Right	UP4-Slim	Meyer	500w

Note: Underbalcs are fed from five processor channels
Front fills are on three channels

Portable Speakers:

- 6x QSC KW112 1000w
- 3x Meyer UPM-1P
- 4x Meyer MM4

Wired Microphones:

Quantity	Model
2	AT 4050 large diaphragm condenser
2	Shure KSM 137 small diaphragm condenser
4	CK-1 AKG small diaphragm condenser
5	SM57
3	SM58
1	SM55 Super55 period vocal mic
3	PCC Crown mic
1	D112 AKG kick drum mic
4	Sennheiser 904 tom clip-on mics
3	Audio Technica U853R Cardioid Condenser hanging mic
1	Small clip no name instrument mic
4	DPA 4099 Instrument Mic
1	DPA 4061 Violin Mic
1	DPA 4099B Upright Bass/Cello Mic
1	Shure SM7B Vox Mic
2	Neuman KM184

Wireless Microphones:

- (8) Shure ULXD4Q G50 band receivers – 32 channels
 - Connected to DiGiCo Orange Box Dante network using primary and secondary networks using redundant switches
- (32) Shure ULXD1 G50 band beltpack transmitters – LEMO3 connectors
- (5) Shure ULX2 G50 band Handheld transmitters w/KSM-8 capsules
- (34) SB900 batteries
- (2) Quantum-5X QR-2100 receivers
- (4) Quantum-5X QT-5000 Incognito remote transmitters – LEMO1 connectors

Monitoring via Shure Wireless Workbench, RF Explorer, and MicControl software on a dedicated computer with dual large screen monitors

- Mac Mini running WaveTool in RF World and Booth for RF Audio Monitoring

Playback:

- (2) 2018 Mac Mini QLAB systems running QLAB 4 Pro Audio
- (2) RME MADIFace interfaces with MADi Output to Booth Console MADi 1A and 2A inputs
- (4) Presonus Audiobox1818 VSL USB Audio interfaces

Effects:

- Waves SoundGrid Extreme Server
- Intel NUC Supergrid V.11 Client computer
- Waves Diamond V.11 plugin package

Signal Processing:

- (4) Meyer Galileo Galaxy 816 driving CALs, Centre Cluster, Subs, Front Fills, Underbalcs, Corner fills, and surrounds

Amplifiers:

- CALs, UltraX40, and subwoofers are self-powered
- UP4 Slims, UltraX20, and UltraX22 speakers are powered by (7) Meyer MPS-488HP amplifiers
- Non-powered Legacy MM4's off Meyer processor and QSC Amp

DI Boxes

- (2) Stereo passive radial AV DI box
- (4) Passive mono Radial DI box
- (2) Behringer mono DI box
- (2) Peavy mono DI box
- (1) Re-amp Radial DI box

Monitoring

- (1) Klang Fabrik 3D IEM Processor (located in FOH booth, fed from Console MADi)
- (10) Radial DAN-RX2 – PoE Dante Headphone Amps
- (10) iPads for musician control

Networking

- HP Enterprise J1920 series switches located in FOH booth, RF world and Orchestra Pit
- Ubiquiti EdgeRouterX routing
- Wifi through building network

Playback Computers

- (2) 2018 Mac Minis
 - 3.2Ghz 6-Core 8th Gen i7 (turbo boost to 4.6Ghz)
 - 16GB 2666MHz DDR4 RAM
 - 256GB SSD
 - Intel UHD Graphics 630
 - Gigabit Ethernet
 - (2 each computer) USB C to AV (HDMI, USB 3.0, and USB C) adaptors
 - Isadora 3
 - QLAB 4 Pro Video

Projectors

- (3) Christie Digital D16WU-HS Projectors
 - 15.5k ANSI Lumens
 - We may restrict brightness to reduce noise and/or prolong light engine life at our sole discretion
 - 1DLP Laser Phosphor source
 - 1920x1200 16:10 Native Resolution
 - 3G-SDI, HDMI, HD-Base T inputs
 - Wired Remote
- (3) 0.84 – 1.02 Lenses
- (2) 1.2 – 1.5 Lenses
- (3) Christie One Rigging Frame
 - May be hung from spotlines on half-couplers with lifting eyes, or clamped to pipes with full swivel couplers

Props**Orchestra Pit**

- Width: 8'2" (2.50m)
- Length: 42'0" (12.80m)
- Depth: Below stage floor: 9'2" (2.79m)
Below house floor: 6'2" (1.88m)
- Adjustable: No
- Access is through a double door at one end and a single door at the other, with two steps up
- Can accommodate approximately 12 musicians
- There is no orchestra shell available
- A separate crew call is required to open or close the pit
- Klang Fabrik monitoring system,

Music

- Chairs: 68 chairs for musicians
- Stands: 23
- Stand Lights: 23

Platforms

- 4'x4' riser available for conductor

Lecterns

- 1 Plexiglas, no power or mic lines

WARDROBE

Dressing Rooms

- 1 x 2 person
- 2 x 4 person
- 1 x 11 person
- 1 x 12 person
- All dressing rooms are carpeted, and equipped with sinks, showers and toilets
- Racks available in dressing rooms with more available upon request. Hangers available upon request.

Wardrobe Area

- Located on level 1; description, accessibility to stage and dressing rooms
- Irons: 1 Total Express Tank iron; 1 domestic steam irons
- Ironing boards: 1 ironing table, 1 collapsible board
- Steamers: 1 industrial steamer
- Washers/dryers: 2 washing machines; 2 clothes dryers

Quick Change Booth

- Two quick change booths available

STANDARD ATTACHMENTS

Map detailing theatre location
Plan of the theatre
Centerline section of the theatre
Line plot of the theatre
Photographs of stage and audience seating
Seating chart
Circuit chart
Policy handbooks