

Jeanne and Peter Lougheed Performing Arts Centre



Theatre Technical Specifications

Seating Capacity:

584 Seats Maximum

573 with basic holds (7 seats removed for sound console, 4 FOH Holds)

(Space for sound console at the back of the orchestra level is 12'-0" wide X 5'-6" deep).

Dressing rooms:

The Theatre has 4 dressing rooms to accommodate up to 51 people

Basement has three dressing rooms accommodating

Large dressing room L1-043 - 19 people

Medium dressing room L1-047 - 14 people

Medium dressing room L1-051 - 12 people

There is an elevator to access the dressing rooms in the basement

Main floor has one dressing room beside the green room

Small Dressing room 1-034 - 6 people

Wardrobe:

Wardrobe is located in the basement. It has a washer, dryer, 2 irons and large sink.

There is also an elevator between the basement and main floor.

Stage Dimensions:

Proscenium Opening:

Width – 42'-7"

Height – 27'-2 3/4"

Main valance trim height – 22'-6"

Stage:

Width between legs – 42'-6"

Plaster-line to upstage wall – 36'-11"

Plaster-Line to down stage centre of thrust – 11'-6 3/8"

Plaster-Line to cyclorama – 33'-4"

SL Wing (from off stage edge of the legs to the wall)– 9'-0"

SR Wing (from off stage edge of the legs to the wall)– 8'-6"

Fly Information:

All line-sets are an automated variable speed Daktronics Vortek system. Control is on Stage Left.

Total number of line-sets: 24

22 line-sets are variable speed with a load capacity of 1,200 lbs.

2 Line-sets (#2- 1st LX & #22 – 4th LX) are fixed speed with a load capacity of 2,000 lbs.

Available line-sets: 5 (minus drapes, lighting pipes, etc.)

Maximum travel speed – 180 feet per second.

There is a pin rail on stage left. Belay pin holes are 1-1/4"

Note: No unrated hardware maybe used

Stage Drapes:

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Main Curtain: Does not have a traveler track
Legs: 5 pairs of black Velour
Borders: 5 black Velour
Blacks: one full stage blacks up stage behind cyclorama, the other is mid stage (there is no fullness in the Full Stage Blacks
Scrims: 1 - Black
Cyclorama: 1 - White

Stage Floor:

The floor is sprung tempered Plyron, black.
Stage floor is rated for 150 lbs per square foot
No traps or elevator in the stage

Orchestra Pit:

The orchestra Pit is below 9 removable 240lbs. traps inside the thrust. There is access to the orchestra pit below the stage near the dressing rooms.
Note: the pit will be covered. If you wish to use it, there is a substantial labour cost to remove the traps and put them back.

Length: 41'-0"
Centre stage width: 7'-9"
Depth below stage level: 9'-2 1/4"
Music Stands: 20
Loose Chairs: 20
Note: The orchestra pit cannot be adjusted in height.

Loading facilities:

A large hydraulic lift up to stage level from grade in on the west side of the building:
The Lift is 7'-9" wide and 15'-6" long. The bottom of the lift height is adjustable to accommodate various truck heights. Maximum 10,000lbs lifting capacity.

Door size; Height: 9'8" Width: 7'6"

Lighting:

ETC GEO lighting console
- 4000 outputs/parameters
- 10,000 channels (devices)
- 50 sub master faders (10 console faders, 40 external fader wing faders)
14 – ETC Net3 one port gateways
1 – ipad Mini with IRFR software
1 – Client dongle

Circuits:

The stage lighting is 100% LED. There no racks of dimming in the building, every fixture is self-dimming.
The Theatre owns 11 portable dimming packs for incandescent lighting
The theatre uses ETC Net3 over a CAT 6 Ethernet network throughout the theatre.

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Constant 15 amp lighting circuits

1st FOH: 8

2nd FOH: 8

1st LX (Fixed on line-set 2): 4

4th LX: (Fixed on line-set 22): 4

SL cove positions: 5

SR cove positions: 5

Balcony rail: 3

On stage drop boxes: 10 boxes (2 circuits in each)

Stage floor: 27

Orchestra Pit: 2

Grid: 1

Booth follow spot positions: 2

Available Power:

- 200 amp 3 phase disconnect in the loading room
- 100 amp 3 phase disconnect in the loading room
- 100 amp 3 phase disconnect Centre of the upstage wall
- 60 amp 3 phase disconnect Centre of the upstage wall (Isolated ground – audio)
- 100 amp 3 phase disconnect on the grid, upstage centre

Instrumentation:

- 21 ETC Desire D60 – Luster+
- 21 Round very Narrow Lens, 25 degree– for D60
- 21 Round Narrow Lens, 35 degree– for D60
- 21 Round Medium Lens, 45 degree– for D60
- 21 Narrow Oval Lens 20x40 degree– for D60

- 40 ETC Source 4 LED2 36° – Luster+ (16 are setup as cyc lights)
- 20 ETC S4 LED2 26° – Luster+
- 12 ETC S4 LED2 19° – Luster+
- 22 ETC S4 LED2 25-50 Zoom – Luster+
- 24 ETC S4 LED Cyc adapters
- 8 Martin MH1 Moving Head Fixture
- 2 Followspots – Strong Canto MK2 1200W HMI
- 94 ETC S4 gobo holders
- 2 S4 iris kits

The theatre has a basic lighting hang of:

1 full set of top light

2 color front light

2 sets of stage tips

Full cyc wash

Note: All the fixtures use a 7 color LED mixing system to allow a flexible color range.

Sound System:

Mic, line, and speaker plugs distributed throughout the theatre

All patch bays, routing are located in the control booth

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Mixing Consoles:

- 1 – DiGiCo SD9 with 2 D-racks
 - 48 Flexi channels (48 mono or 48 stereo)
 - 16 Busses
 - 12 x 8 Matrix
 - 8 VCA style groups
 - 8 internal stereo effects processors
 - Local – 8 mic/line inputs
 - D-racks have 32 inputs, 16 outputs
 - 4 AES I/O

- 1- DiGiCo S21
 - 40 Flexi channels (40 mono or 40 stereo)
 - 16 Busses
 - 10 x 8 Matrix
 - 8 internal FX
 - 24 local Mic inputs
 - 12 local analog outputs
 - 2 AES I/O
 - 2 – MADI DMI interface Cards
- 1 – DiGiCo Little Red Box (Monitor Slip for DiGiCo D-racks)

Playback:

- 2 – Tascam CD-200ib

Speakers:

Main PA

- 4 – Meyer UPQ-1P self-powered speakers (mounted around proscenium)
- 2 – Meyer UPA-1P self-powered speakers (centre cluster)
- 4 – Meyer UPM-1P self-powered speakers (front fills and effects speakers)
- 2 – Meyer 600HP Subs
- 1 – Meyer Galileo 408

Monitors:

- 8 – QSC KW122 self-powered stage monitors (Bi-amped)

Microphones/DI's:

- 6 – Shure Beta 58A
- 3 – Shure SM58
- 1 – Shure SM58S
- 4 – Shure Beta 57A
- 2 – Shure SM57
- 1 – Shure Beta 52A
- 4 – Shure Beta 98D/S with clips
- 4 – Shure SM81-LC
- 2 – Sennheiser E609
- 3 – Crown PCC 160 floor microphones
- 4 – AKG HM1000, with C31 capsule - hanging choir microphones
- 1 - Shure MX412S - lectern microphone

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2 – Sennheiser MD 421-II

8 – Sennheiser G3 500 wireless systems with
6 – e935 wireless handheld
6 – SK500 G3 body pack transmitters
2 – LC1 Guitar cables
4 – Countryman E6 Earset microphones
4 – MK2E Gold wireless capsules

2 – Radial J48 active DI
4 – Radial JDI passive DI
1 – Radial Pro AV2 multimedia DI

Additional Equipment:

Assorted Mic stands
Assorted mic cables,
2 whirlwind 12 channel, 4 return, 50'-0" sub snakes
All the various mic and speaker inputs throughout the theatre terminate at a patch-bay in the sound booth

Back Line Equipment:

1-Steinway Model D, 9'0" Concert Grand Piano (theatre)
1-Steinway Model B, 7'0" Grand (Mayer Community Hall)
1-Roland RD800 electric Piano
1-Fender 65 Twin Reverb Reissue
1-Ampeg SVT-410HLF Cabinet with SVT-3PRO Head

Communications:

Clearcom 2 channel (six pin) headset system (main station located in the sound booth)
8 – 2 channel wired belt-packs and headsets
28 inputs throughout the theatre

The theatre is equipped with a Sennheiser infrared hearing impaired system with 12 single channel receivers and batteries.

Projection:

1 - Panasonic PT-DZ10K projector with Shutter, mounted on balcony rail (10,000 lumens)
1 –Denon DBP-2012UDP - Blu Ray Player
1 - Crestron DMPS-300 switcher
1 – 15'-0" x 24'-0" Screen

2 – Portable projectors
1- 6'-0" wide portable tripod screen

For detailed information please contact:
Nick Beach
General Manager
(780) 608-2925
nbeach@camroselive.ca