

## **General Information:**

The Engineered Air Theatre was designed as a multi-use venue catering to a variety of performances. The facility has been host to the Alberta Music Series and Blues Series performances, dance shows, and plays, as well as meetings, parties and weddings. In order to be accessible to a multitude of users, the Engineered Air Theatre is equipped with a three area, prefocussed white lighting wash and a limited sound system that can be operated by the Front of House staff. For traditional performances, a technician from EPCOR CENTRE for the Performing Arts is required. One hour of technical consultation is included in the basic rental fee. It is mandatory that a representative of the Licensee meets with the Technical Coordinator no later than seventy-two (72) hours prior to the performance day.

The Engineered Air Theatre has been designated as a non-smoking facility.

## **Theatre Location:**

Organizers and performers can access the Engineered Air Theatre with their equipment via EPCOR CENTRE for the Performing Arts Stage Door at 220 - 9<sup>th</sup> Avenue S.E. *Do not arrive at the public doors to the theatre. These doors are locked, and will only be opened for patron access at showtime.*

## **Loading Door to stage:**

Access is via a long hallway, down the service elevator from the Ground level to B2 level and through an additional hallway.

Alternate access is available for smaller vehicles through the B2 level parkade. (Approx 67.0m (220') to stage)

Parking fees apply – 1.86m (6'1") vehicle / scenery clearance

Maximum dimensions of scenery / road cases is determined by the service elevator to the theatre.

The elevator door opening is 4' wide by 7' high. Elevator dimensions are 8'2" depth x 9'7" height.

Smallest door to the stage is 4'11" width x 6'8" height.

Smallest door to the dressing rooms is 2'8" width x 6'8" height.

Dollies are available to transport items to the theatre.

Remarks: This loading dock is shared with four other theatres so access is tight. There is an absolute maximum of one trailer parked in the bay at one time, although 2 can be loaded and unloaded simultaneously. Unless special circumstances dictate (shore power required, studio recording truck etc), there is usually no provision for vehicle parking at the loading dock. If essential, one bay may be booked (space permitting) in advance. Additional bus and tractor parking is available across the street if city parking meters are bagged. This must be done in advance, and there is a cost involved. There is no provision for storage on the loading dock, and limited storage space available in production storage.

## **Patron Access:**

The Engineered Air Theatre entrance is located on 9<sup>th</sup> Avenue S.E., adjacent to Theatre Calgary's Max Bell Theatre. There is also an interior entrance from the Centre's public corridor.

## **Seating:**

Main floor seating arrangement is flexible. There are 56 permanent seats in the balcony.

Seats may need to be cordoned off when projectors are placed in the house.

When a mixing console is placed in the house, seats may need to be removed. When the stage extension is used, 1 - 2 rows are removed with the 4' extension, and 2 -3 rows are removed with the 8' extension.

Audience capacity is dependent upon seating style chosen. Other seating styles, including tables, can be arranged through Front of House.

## Stage Information:

### **Stage Floor:**

The permanent stage is a masonite covered plywood surface, 34' 1" wide by 11' 4" deep. Stage height is 20" above the main floor seating area. The height from the stage floor to the fixed grid is @16', with approximately 13' 6" clearance from the stage floor to the bottom of stage lighting fixtures.

A stage extension consisting of 4' or 8' risers can be added to the depth of the stage. Any stage extension beyond 4 feet cannot extend the entire width of the stage in order to maintain access to the patron emergency exit.

Permanent alterations to the floor (such as painting or cutting) are strictly prohibited. If drilling, screwing, or nailing into the deck is required, special arrangements need to be made prior to the date of load-in. Under no circumstances is it permitted to screw or nail to the risers (stage extension). A black "dance floor" can be installed over the deck surface upon request. Alterations to the dance floor are also strictly prohibited.

There is only one entrance to the stage, from Stage Left through a door, 5'6" wide by 6'8" high. There is no Stage Right entrance, nor crossover, and limited useable space in the Stage Left hall next to the dressing rooms.

Limited storage space is available. Storage space is @ 15' x 15'. Ceiling height is 7'10". Door to storage is 5'2" x 6'8". Small items may be stored in access corridor.

### **Projection Information:**

Location: Preferred projector location is on the Balcony Rail lighting position  
Distance to Projection wall: 32'2" Throw distance  
Recommended Image size: 9' x 16'  
EPCOR CENTRE for the Performing Arts has an LCD Video / Data projector available for rent

### **Miscellaneous Stage Equipment:**

Music stands:	6
Stand lights:	15
Clip lights:	2
Guitar Stands:	1 single, 1 guitar boat
Orchestra chairs: armless / black	10
Stools: Black (wooden)	3
Black / padded seat	4
Aluminum Framed Risers:	7 @ 4' X 8' / 1 @ 4' X 4'
Riser Legs:	36 @ 10 ¼" w 1" of adjustability
Sandbags (black):	20
Piano(* House tuner only. Pitch A440):	7' N.Y."B" Steinway Grand *
Electric Man Lift UL-25 / Extension ladder / 6' Step ladder	

## **Rigging Information:**

Fixed grid comprised of 3' 3" x 3' 3" squares.

Grid height above stage: 16' 0", with approximately 13' 6" clearance from the stage floor to the bottom of stage lighting fixtures.

Grid height above auditorium floor: 19' 9½"

## **Stage Drapes:**

Main Curtain: Royal Blue Velour with Fullness

Permanently installed on a traveler track and motorized. Control is either from Stage Left, or from the Control booth.

A Royal Blue velour curtain also covers the entire back wall and both the Stage Left and Stage Right walls. This curtain is mounted on a (non-motorized) traveler track and is easily drawn aside to reveal the projection wall.

The rear wall of the stage is a 34' wide white projection wall, 24' of which is free of electrical outlets and junction boxes, and may be used as a projection screen or cyclorama.

There are no other house draperies, nor scrims.

6 black velour legs (4 @ 16'0" x 10'0" / 2 @ 17'2" x 10'0") are available for use as masking, or crossover.

## **Dressing Rooms:**

The dressing rooms are located on the same level as the stage off stage left.

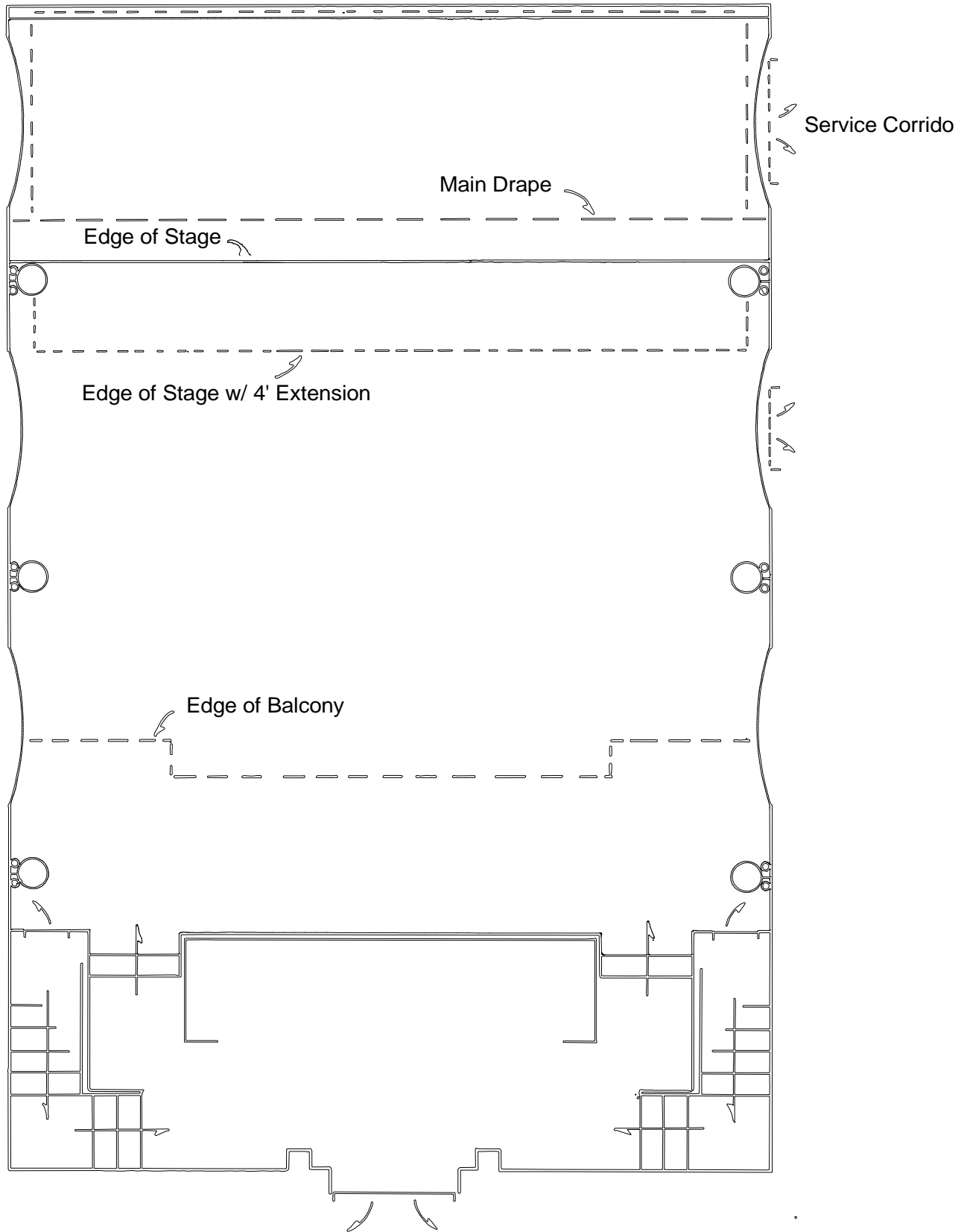
All dressing rooms are equipped with a washroom with shower.

There is a small shared common Green Room (8' 9" x 12' 4") with a small refrigerator, microwave and telephone. All dressing rooms have a keypad combination lock

Room 1:	8' 8" X 12' 4"	5 make up stations
Room 2:	6' 4" X 8' 9"	1 make up station
Room 3:	9' 6" X 20' 4"	9 make up stations

## **Wardrobe Equipment:**

- 1 rolling costume rack (full size)
- 1 iron
- 1 ironing board



**Lighting Information:**

**Introduction:**

The Engineered Air Theatre is designed to provide lighting for a variety of theatrical and corporate events. There is a fixed lighting "house hang" suitable to most events, part of which may be accessed by the Front of House staff for those events that do not require specific technical support. For any lighting that is cue motivated, requires colour, or refocussing, a technician supplied by EPCOR CENTRE is required. A limited supply of "specials" is available for show specific lighting. The house hang is adjustable, but the client will be billed for all time required to restore the hang back to its "House Hang and Focus" configuration.

**Control System Information:**

Location:	The lighting control room is at the rear of the balcony level, and is only accessible through the house.	
Control System:	<u>Electronic Theatre Controls</u> Insight 3 lighting console. The Insight can be configured with up to 512 control channels and 600 recordable cues per show controlled on two timed fader pairs. The Insight has ten pages of 108 overlapping programmable submasters each equipped with "bump buttons", and utilizes a soft patch for channel/dimmer allocation.	
Dimmer Info:	Strand CD-80 Dimmers	92 dimmers @ 2400w 2 dimmers @ 6000w
Circuit Locations:	Circuits are located throughout the ceiling grid, side booms and on stage. However, circuits can be duplicated up to 6 times.	
Connectors:	120V 20 amp new style twistlock connectors 120V 50 amp "joy" plugs	

**Power Tie-in Information:**

Location:	1 50 Amp single phase 220 V Range Plug Stage Left 1 30 Amp single phase 220 V Dryer Plug Stage Left
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OR

100 Amp 3 Phase, 4 Wire, requiring a hook up by a licensed electrician.

## Engineered Air Theatre Lighting Instrumentation:

### Total Inventory

Quantity	Type	Wattage
24	Strand SL 26°	575 watts
16	Strand SL 36°	575 watts
14	Strand SL 15°-32° zooms	575 watts
12	Strand SL 23°-50° zooms	575 watts
17	Strand Fresnels	750 watts
3	Strand Coda 3 Cyc light	500 watts
2	Source 4 Pars	575 watts
6	CCT Minuette Cyc Cels	500 watts

Total Fixtures: 94

### Fixture Position / Layout

#### Permanently Installed Lighting Instruments (House Hang):

\*if re-hung or re-focused, these lamps will need to be restored to their original configuration

Location	Quantity	Type	Wattage	Notes
F.O.H. Grid	6	Strand SL 26° degree Lekolite	575 watts	
F.O.H. Grid	6	Strand SL 36° degree Lekolite	575 watts	
F.O.H. Grid	2	Strand 6" Fresnels	750 watts	
F.O.H. Booms	4	Strand SL 23°-50° Zooms	575 watts	
Stage Grid	2	Strand SL 26° degree Lekolite	575 watts	
Stage Grid	4	Strand SL 23°-50° Zooms	575 watts	
Stage Grid	2	Strand SL 36° Lekolite	575 watts	
Stage Grid	12	Strand 6" Fresnels	750 watts	
Stage Grid	3	Strand Coda 3 Cyc light	500 watts	

#### Permanently installed House Hang "Specials":

\*These lamps do not need to be re-focused after use

Location	Quantity	Type	Wattage	Notes
F.O.H. Grid	6	Strand SL 26 degree Lekolite	575 watts	
	12	Strand SL 15-32 degree Zooms	575 watts	

## Extra Lighting Instruments:

Quantity	Type	Wattage	Notes
10	Strand SL 26 degree Lekolite	575 watts	
8	Strand SL 36 degree Lekolite	575 watts	
2	Strand SL 15-32 degree Zooms	575 watts	
4	Strand SL 23-50 degree Zooms	575 watts	
3	Strand Century 6 " Fresnels	750 watts	

The Engineered Air Theatre is not designed for, nor equipped with, followspots although arrangements may be made for them to be rented specific productions.

A rental fee will apply.

## Accessories:

4 - Chroma-Q Colour Scrollers (permanently installed on 4 Strand SL 23-50 degree zooms – side light)

2 – Rosco I-Cue Mirrors (permanently installed on Strand SL 26 degree Lekolite – top light)

18 - Donuts

24 - gobo holders

10 - Iris units

All Fresnels are equipped with barn doors

A limited selection of Rosco colour is available upon request.

A limited selection of gobos, and floor stands is available upon request.

## Sound Information:

The Engineered Air Theatre is equipped with both a professional mixing console and a small sound system to allow limited microphone and audio capabilities supplied by Front of House. Events that require sound mixing or cues, or speakers other than the house cluster and under balcony speakers, require a technician supplied by EPCOR CENTRE for the Performing Arts.

## Control System Information:

**Location:** The control room is at the rear of the balcony level, and is only accessible through the house.

**House Mix Position:** On the main level, just in front of, or under, the balcony.

**Mixing Consoles:** The professional mixing consoles are exclusively for use in the control room, by qualified technicians.

Console #1 -Midas Venice 160 16 x 4 (8 stereo line inputs, 8 mic inputs)  
6 auxiliary sends- 2 pre fade, 2 post fade, 2 switchable at master

Console #2 – Digico SD11i with D-Rack, overview screen, 12 faders x 3 banks x 2 layers, 32 mono or stereo channels x 12 busses configurable in groups or auxiliary sends as required and up to 6 stereo FXs. 32 mic inputs (D-rack) + 16 mic inputs (local on SD11i), 16 line outputs (D-rack) + 8 line outputs (local on SD11i). Up to 4 monitor mixes are available (passive or biamp).

House mix position is on the main floor, at center, at back of lower seating area, just under the balcony lip. It occupies 2 rows x 3 seats/row. The Digico SD11i is used in this configuration. A second Digico SD11i is often available from the Jack Singer Concert Hall inventory, dependent upon bookings for a monitor desk.

**Processing Equipment:**

4 – Lake LM44 4x4, 2x6 System Processors  
1 – Lenovo x230 tablet pc for wired Lake control & Smaart measurement  
1 – Smaart measurement kit (USB Pre 1.5 & M30 mic)  
1 – XTA DP224 Monitor Processor  
4 – QSC PL230 Stereo Power Amplifiers. (all permanent in amp room)  
1 – dbx DDP digital dynamics processor  
1 – Drawmer MX-30 Stereo Gated Comp Limiter  
1 – TC Electronics M-One Effects Unit  
3 – Ashly GQX 3102 Stereo Third Octave Graphic EQ's

**Source Equipment:**

1 – Tascam DA 30 DAT Deck  
1 – Tascam 112 MK2 Cassette Deck  
1 – HHB CDR830 Plus CD Burner  
1 – Tascam CDX-1500 Dual Transport CD Player  
1 – Tascam 112 MK2 Cassette Deck (in storage)  
1 – Tascam CD-401 MK2 CD Player (in storage).  
1 – Tascam BR-20 Reel to Reel Tape Deck (in storage).



## Speakers:

### Main Performance System (requires technician)

2 – Meyer CQ1's on carts (1/side)

2 – Meyer UPM1Ps for front fill (may be placed as either lip fill on stage, or side fill on CQ1 carts.

2 – Meyer UPJ's flown left and right on grid downstage of proscenium

Main performance system is flat ~55hz-17khz ± 3 dB @ 100 dB A weighted. 100 dB is the maximum permitted level in the theatre owing to the possible audio disruption to neighboring venues.

### Simple Performance System (operated by FOH staff)

Centre cluster of: 2 Tannoy CPA 15 and 1 Tannoy CPA 12 speakers.

FOH staff system is flat ~90hz-15khz ± 3 dB @ 95 dB A weighted

### Extra speakers common to both systems

3 – Bose 102 Flush mounted loudspeakers under balcony (mono feed)

## Hearing Assist System:

Sennheiser IR 20  
3 receivers

## Intercom System:

Type: 3 channel "Clear Com"

Master Station: Stage Management Desk in control booth.

Stations: In control booth, backstage adjacent to dressing rooms, and throughout the theatre and lobby.  
5 beltpacks, 5 single headsets, 2 double headsets, 3 speaker boxes

## Front of House Staff Control System:

Theatre:	1	4 channel microphone mixer
	1	TASCAM 112 MK2 cassette deck
	1	TASCAM CD-301 single disk CD player
	1	SM 58 microphone
	1	Ultimate Floor stand with boom arm
	1	20' microphone cable.

All ambient music to be supplied by the client

## Engineered Air Theatre House Sound Equipment:

	Quantity	Description
Monitors:	4	EAW SM200iH (passive/biamp switchable 12" x 1")
	4	EV FM 1202 (passive 12" x 1")
	2	Tannoy System 8 reference monitors (permanent to booth)
Microphones:	7	Shure SM 58 vocal microphones
	2	Shure Beta 87 vocal microphones
	3	Shure SM57 dynamic instrument microphones
	1	Audix D6 Kick drum microphone
	4	Electro Voice PL35 instrument microphones
	3	Crown PCC 160 (Stored @ JSCH)
	2	AudioTechnica 4051a condenser instrument mics
	2	AKG 451 condenser instrument mics
	1	Crown LM 300 lectern microphone (for use on lectern only)
	2	Shure UR2 SM58 handheld transmitters
	Miscellaneous:	13
1		Shure UHFR (H4) frequency agile 2 channel receivers
2		Shure UR1 belt pack transmitters
1		Twin Isolator
1		DI Checker with Shure SM58 vocal mic
1		¼" Channel Selection Switch
11		Ultimate Floor Stands, black
14		Tripod stands, beige, 10 tall / 4 short
9		Adjustable booms
6		Non-adjustable booms, 2 long / 6 short
4		Table Stands
1		Stereo Microphone Bar
1		3' x 4' Drum Mat