

WINSPEAR  
CENTRE



Francis Winspear Centre for Music

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## Contact

Francis Winspear Centre for Music Home of the Edmonton Symphony Orchestra  
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 Edmonton, AB T5J 4B2 (F) 780-425-1913

Box Office Direct Phone: 780.428.1414

Stage Management Direct Phone: 780.401.2563  
 780.401.2551

Lighting Department Direct Phone: 780.401.2558

Audio Department Direct Phone: 780.401.2557

Stage Door, Security Direct Phone: 780.401.2565

## Stage Information

The performance chamber is a classical rectangular concert hall design. The stage is semi-circular in shape with a clear-coated maple floor on wooden sleepers. The floor is designed for acoustic performance and is not sprung for dance performance. A choir loft is located 3 meters above and behind the stage. Above the choir loft is the Davis Concert Organ, an instrument containing 6551 pipes.

Access to the stage is by Downstage Left and Downstage Right entrances. There is no proscenium, main curtain or masking.

Wing space is limited to a crossover hall approximately 3.5 meters wide and 3.8 meters high.

## Stage Dimensions

Downstage Width	18.65 meters (61'-2")
Depth at Centre stage	13.7 meters (44'-11")

## Acoustical Properties

The Francis Winspear Centre for Music was designed with superior acoustical properties for live performance. The ability to introduce adjustable wall treatments surrounding the performance chamber allow for reverberation time control. A two section canopy above the stage can also be set at various trims to control compression factors on stage. In addition to these acoustical treatments, we also have a dark green velour drape (40' high X 100' wide) that hangs from our curved truss upstage to further assist with acoustic control during amplified performances.

## Available Drawings

Drawings are available in two formats, AutoCAD and PDF.

## Loading Area

### Loading Dock

Two bays are available, each capable of handling full length semi-trailers. The dock is at stage level approximately 20 meters from the stage area (short, level push). Access to the loading dock is from 102A Avenue, north side of building, via the parking lot.

### Production Parking

In the case where there is only one production truck, it may be able to stay in the loading dock, leaving one bay available for other facility deliveries. Other vehicles will have to be parked at the production's expense in local parking lots.

### Shore Power

- 1 – 200A 120/208V 3 phase panel is available for bus shore power with:
- 3 – 50A 120/208V single phase stove plugs
- 6 – 15A 115V single phase utility receptacles

## Rigging

All rigging points are dead hangs with a capacity of 1000 kilograms each. The engineered points are laid out in a straight, symmetrical line set pattern of six rows. Line sets 0 thru 4 have seven points each, spaced 2.5 meters apart while line set 5 has five points. In each line set, the middle point is aligned with centre stage.

Line set positions as measured from the stage apron:

Downstage	Line set #0+14m (45'-11")	over house
	Line set #1+ 8m (26'-3")	over house
	Line set #2+ 1.9m (6'-3")	over 2 <sup>nd</sup> row of seats
Apron	0	
	Line set #3- 2.6m (8'-6")	over stage
Upstage	Line set #4- 6.5m (21'-4")	over mid stage
	Line set #5- 10.6m (34'-9")	over upstage

Height from deck:

Front Acoustic Canopy	45'-8 7/16"
Rear Acoustic Canopy	53'-3 3/16"
Ceiling	80'-2 5/8"

### Upstage Truss

In addition to the rigging points, there is an upstage curved truss that matches the shape of the stage. The truss is permanently hung on five one ton chain motors and used for the hanging of our acoustic drape and programmable lighting fixtures as well as touring production elements.

### Rigging Safety

Fall arrest systems are mandatory for all production trussing used.

## Electrical

### Show Power

The Concert Hall has numerous power panels located throughout the facility equipped with J Series Cam Locks. Ground and Neutral are not reversed.

Exterior Mobile Location	200A 120/208V 3 phase
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Loading Dock – isolated ground	200A 120/208V 3 phase 3 – 50A range plugs 6 – 15A quad boxes
Stage Left – Audio – isolated ground	200A 120/208V 3 phase
Stage Left – Lighting	400A 120/208V 3 phase
Upstage Centre - Lighting	400A 120/208V 3 phase
Stage Right – isolated ground	200A 120/208V 3 phase
Lobby	200A 120/208V 3 phase
The Studio	100A 120/208V 3 phase with: 6 - 15A duplex receptacles 2 - 20A twist-lock 1 - 30A 125/250V plug 2 - 50A 120/208V single phase range plug
Projection Booth	100A 120/208V 3 phase
Follow Spot Booth	100A 120/208V 3 phase
Ceiling Truss Space – 4 panels of	100A 120/208V 3 phase

### Lighting Control

Five opto-isolated DMX lines are located within the Concert Hall for DMX1. A second DMX2 line is used for the in-house moving light fixtures located on our upstage truss.

The main in-house control position is located in a booth at the rear of the hall. Three other locations inside the hall are pre-wired, Stage Right, centre of hall and Stage Left Broadcast Booth. A remote pendant is available for focus sessions.

Lighting control is provided by a Martin Maxxyz Compact + 48 subwing.

The dimming system is comprised of 3 – CD-80SV racks with 288 – 2400 watt, 800 microsecond dimmers. House lights are operated from a separate control console and dimmers.

### Connectors

Disconnects:	J series Cam Locks, ground and neutral are not reversed
Fixtures:	New Style Twist Lock – 20A 120 volt
Circuits:	6 X 19 pin Socapex connectors

## Followspots

- 2 – Strong Super Trouper 2000 W Xenon long throw with Telrad Reflex Sights  
Located in our Spot Booth.

## Permanent Lighting Positions

The Concert Hall was designed primarily for symphony orchestra concerts and has a standard house hang that provides even illumination across the stage. In addition to the concert lighting, we are able to focus a number of instruments to accommodate other performances.

## Fixture Inventory

### Pre-focused Concert Lighting

146	ETC Source 4 – 26°	575W
4	Strand 20°	575W
20	ETC Source 4 – 26°	750W Choir Loft focus
62	ETC Source 4 – 36°	750W
12	Colorado	Tour 2 “LED Pars”

### Focusable Inventory

14	ETC Source 4 - 19° w/ iris	750W	on canopy
20	ETC Source 4 - 10°	750W	FOH wash / in pairs
6	ETC Source 4 - 5° w/ iris	575W	FOH specials
60	ETC Source 4 Pars Medium	750W	Upstage 3 colour wash in pairs
8	Martin “TWI” wash fixtures	1200W	
6	Martin “350 Entour LED” profile fixtures		

### Additional Float Inventory

12	Strand 30°	575W
12	PAR 56 Stubbys	500W
8	HighEnd Studio Color 575	

### Hazer

1	Look Hazer
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## Sound System and Communications

### Show Audio Power

Loading Dock	200A	120/208	3 Phase - isolated ground
Stage Left	200A	120/208	3 Phase - isolated ground
Stage Right	200A	120/208	3 Phase - isolated ground
The Studio	200A	120/208	3 Phase
Lobby	200a	120/208	3 Phase

### House Sound System

#### Stage Left & Stage Right Line Arrays

16 Meyer M'elodie curvilinear boxes per side

#### Stage Fill, Floor

- 5 Meyer M1D lip fill off stem send
- 1 Meyer CQ2 per side L/R
- 1 Meyer 700-HP sub per side off stem send

#### Choir Loft

4 EAW CH461 passive mid-hi enclosures

#### Rear Balcony

4 Meyer UPJ full range enclosures

### Mixing Console - FOH

Solid State Logic LIVE L500+  
Waves Maxx BCL

### FOH Recording / Playback Equipment

- 1 HHB CDR 882 dual burn recorder
- 1 Tascam SS-CDR200 CD/USB/SD/CF recorder/player
- 2 Tascam CD-O1U players
- 2 Radial AV2 iPod/Computer Direct boxes

### Monitor System

Solid State Logic LIVE L300

- 13 L'Acoustics X12 12" coaxial multi-purpose enclosures 90 x 60
- 2 L'Acoustics A10 WIDE Medium throw line source 30 x 70, 110 or 90 asymmetrical enclosures
- 2 L'Acoustics KS21 21" compact subwoofer
- 4 L'Acoustics 5XT 5" ultra-compact coaxial enclosures
- 3 L'Acoustics LA12X high power 4x4 amplified controller
- 1 L'Acoustics LA4X 4X4 amplified controller - 1 box per channel

## Microphones

### Shure

4	KSM 137SL
6	Beta 57
6	Beta 58A
1	Beta 52
1	Beta 91
6	Beta 87A Handheld Transmitters
6	UR1 Wireless Body Pack
3	UR4D Wireless Receivers
6	SM58
6	SM57
2	SM58S switched

### Neumann

8	KM100 4- AK30 omni caps 4- AK40 cardioid caps
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### Audio Technica

1	ATM25
13	ATM Pro 35X Clip on Condensers

### Earthworks

1	PM40 stereo piano mic
2	FMR600HD Lectern mics

### DPA

6	D:fine Cardioid headset mics (beige) 4099HI clip on condenser instrument mics – various clips available
2	4061 lavs - black
30	MHS 6005 Microphone holder for strings

### Beyer

2	M88
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### AKG

8	535
21	300E/CK91
8	414 XLS

### Crown

2	PCC160
1	PZM

### Sennheiser

6	MKE-5 Gold-C lavs
3	E604
4	421

### Direct Boxes

8	Countryman 85FET
8	Radial JDI
1	Radial JDI STEREO
2	Radial AV1
1	Radial JPC
4	Rapco DB-101SL

## Cables & Snakes

- 1 64 channel 3 way split with 2 isolated with Lundahl transformers – no copper to FOH  
With 30' monitor split cable
- 1 24 channel 100ft sub snake
- 2 16 channel 100ft sub snakes
- 1 12 channel 75ft front line sub snake
- 1 12 channel 75ft sub snake
- 1 8 channel 100ft fan to fan snake
- 1 6 channel 50' sub snake
- 60 assorted length mic cables

## Microphone Stands

12	Atlas MS-12C	8	Atlas DMS-10E	2	Atlas DMS-7E	6	Atlas MS-20
4	Atlas MS-4 / desktop	4	K&M 259/1	4	K&M 259/1	4	K&M 260
15	K&M 211/2 boom	42	K&M 211/1 boom	28	K&M 210/2		

## Portable Sound System

- 1 Allen & Heath QU-PAC mixer
- 1 Tascam CD-O1U CD player
- 1 Shure ULXD4Q Receiver
- 4 Shure ULXD2 Beta 87A Wireless transmitters
- 2 Shure ULXD1 beltpack transmitters

The Main Lobby and the Upper Circle are covered by 2 Renkus Heinz Iconyx speakers on each level plus ceiling speakers. Only one area can be accessed at a time.

- 1 NEXO PS10 system – 2 PS10 full range enclosures, 1 LS500 subwoofer, 1 PS10 amp
- 1 Shure QLXD4 Wireless system with QLXD2/SM58 handheld transmitter

## Intercom System

A 4-channel Clearcom system is provided with receptacles placed throughout the performance support areas.

## Lecterns

- 2 Wooden lecterns available with the “W” Winspear logo on the face.

## Media Feed

- 1 – 24 channel mic level output, passive Media distro

## Hearing Impaired System

- 1 – FM transmitter
- 1 – FM Antenna / 12 receivers and headphones

## Production Broadcast

The Concert Hall is wired for Broadcast use. An isolated Broadcast suite is located Stage Left with full audio patching capabilities. There are 64 audio tie lines between the Broadcast suite and the Loading Dock for mobile truck patching. There is also full access to the 64 channel passive Lundahl isolated split as well as 18 dry tie lines that are patchable from the performance area directly to the suite. Intercom and video (BNC) patching provided. 96 split channels are also available directly from SSL stage boxes.

## Staging Equipment

### Pianos / Keyboards

- |   |                                   |   |                              |
|---|-----------------------------------|---|------------------------------|
| 2 | 9' Steinway Model D Concert Grand | 1 | 7' Bosendorfer               |
| 1 | 6' Yamaha C 3 baby grand          | 1 | Hammond B3 organ             |
| 2 | Yamaha Uprights                   | 2 | Leslie speakers              |
| 1 | Yamaha 6' Disclavier              | 1 | Tone cabinet                 |
| 1 | Portativ Continuo organ           | 1 | Fender Rhodes electric piano |
| 1 | Celeste                           |   |                              |
| 1 | Harpsicord                        |   |                              |



## Davis Concert Organ

Built by Orgues Letourneau Limitee, the Davis Concert Organ, Opus 50, Canada's largest concert organ is a four manual with 6551 pipes, 96 stops and 122 ranks.

## Risers

Wenger Versalite riser system including:

- 17 4' X 8' platforms
- 6 4' X 4' platforms
- 4 Sets of angled filler platforms, 3 levels deep – used to approximate curves  
Risers can be set to heights of 8", 16", 24" and 32"

## Chairs

- 60 Tecno tempo orchestra chairs
- 6 Wenger bass stools
- 65 Stacking orchestra chairs
- 6 Black bar stools with hard top

## Music Stands

- 120 Double shelf Manhasset stands
- 14 Tall boys
- 10 Single Shelves
- 90 music stand lights

## The Studio

The Studio is an acoustically isolated room suitable for many events located at stage level with direct access from the loading dock. Equipped with adjustable acoustic banners, hardwood floor, small PA and 100 amp power supply, this space is available for rental separate from the Concert Hall.

## Green Room / Lounge

Located adjacent to the stage door and dressing room area, "Barney's Lounge" is equipped with tables and chairs and a stage monitor. Suitable for performer & crew catering needs.

## Dressing Rooms

- Conductors Suite
- Conductors Reception
- Solo 1 / with piano
- Solo 2
- Solo 3
- Solo 4
- Chorus 1A
- Chorus 1B
- Chorus 2A
- Chorus 2B

Wireless Internet connection is available throughout the backstage areas.

All dressing rooms are equipped with mirrors, showers and washroom facilities. Garment steamer, irons and ironing boards available for use.

## Labour Supply

The Winspear Centre has a house staff comprising Audio, Lighting and Stage departments. Additional production staff is supplied by IATSE Local 210 through collective agreement with the Winspear Centre. Any crewing questions should be directed to the Winspear Centre Technical Director.

## Equipment Rentals

Supply of all production equipment rental needs is available locally. The Winspear Centre can arrange for delivery of requested equipment or provide a listing of suppliers able to meet your requests. For information, contact the Technical Director.

## Fire & Smoke

The Francis Winspear Centre for Music is a non-smoking facility subject to City bylaw enforcement. Non compliance with the no smoking policy can result in additional charges being assessed to the client. Pyrotechnics are not permitted to be used in the Winspear Centre. Also, all open flame, including candles, is strictly forbidden.

## Truck Route Directions

Francis Winspear Centre  
9720 – 102 Avenue  
Edmonton, Alberta

### From: Calgary and points south

Highway #2 North becomes Gateway Boulevard (103 Street) inside city limits  
To: Whitemud Drive exit right turn, East  
To: 99 Street next left turn, North  
To: Grierson Hill right turn, East - North side of river valley  
To: 95 Street left turn, North  
To: 102A - Avenue left turn, West  
To: 97 Street & 102A - Avenue, Left lane, enter parking lot on NE corner.  
Loading dock on North side

### From: Points East or West

Yellowhead Trail (Highway 16)  
To: 82 Street turn South  
To: Jasper Avenue 82 Street becomes Jasper Ave. at the River Valley  
To: 97 Street turn right, North  
To: 102A Avenue turn left, West  
Enter Parking Lot on your left, stay on north side of building to line up with dock  
Loading dock on North side