



François Bernier Concert Hall

Technical Rider - Recording Sessions



Le
DOMAINE
Forget

Le Domaine Forget
5, rang Saint-Antoine, C.P. 672
Saint-Irénée, Québec G0T 1V0

CONSTRUCTION DETAILS

The François-Bernier Concert Hall was designed for optimum acoustics. Its height, form and judicious choice of building materials all contribute to its outstanding acoustics. The balance between absorptive and reflective surfaces provides flexible acoustics. This is achieved through the use of thick curtains that can be extended or retracted, hard surfaces and the panels at the back of the stage which can be pivoted. The Hall is quiet since it is entirely isolated from the backstage support spaces and from the mechanical systems, (HVAC). Sound and light locks are found at each door leading into the Hall.

THE ACOUSTIC FINISHES

Main level: the walls are lined with 100% felt glued to a 19mm particle board installed 40mm from the concrete walls.

Balcony level: the walls are lined with 3mm felt glued directly onto the concrete.

Technical ledge: the walls are lined with 13mm veneer panels installed 50mm from the concrete walls. 50% of this space is filled with insulation.

Heavy curtains can be extended or retracted along the entire surface of the walls at all three levels. The curtains nestle in curtain pockets when completely retracted. They are 100% velour cotton, 25 ounce gauge and are completely lined.

Platform area: pivoting panels line the rear wall of the stage, one side is lined with dense insulated panels covered with felt while the other side is finished with maple panels. The lighting and acoustic canopy above the platform is tilted at a 2.5° angle.

The concrete floor has a glazed epoxy finish.

All these elements can change the reverberation time from 1.4 to 2.5 seconds.

SILENCE

To achieve perfect sound one must first have quiet. The François-Bernier concert hall is encased in an insulated concrete block from basement to roof. Audiences circulate via sound and light locks with double doors.

The mechanical room is situated in the basement but outside the audience chamber, a series of passageways isolate it from the performance area. The mechanical systems sit on neoprene springs or cushions to avoid transmitting vibrations and noise.

The HVAC system is designed to be silent. A series of conduits bring the air into a plenum under the audience chamber and then up through diffusers installed under the seats and in certain walls.

Temporary cable passes and racks can accommodate portable performance equipment without leaving doors ajar.

François-Bernier concert hall has a background noise that is less than 60 db.

CONTROL BOOTH LOCATIONS:

1st location: a soundproof booth separated from the concert hall at the rear of the main level, perfect for concert recording with audiences

- Width: 2.9 meters – 9'5"
- Depth: 2 meters – 6'6"
- Distance from the stage: 25 meters – 81'

2nd location: orchestra dressing room, backstage area, this booth can be surrounded with velvet acoustic curtains 360°, ideal for recording without an audience.

- Length: 8.7 metres – 28'
- Width: 3.6 metres – 11'8"
- Distance from the stage: 20 metres – 65'

HALL DIMENSIONS

- Height: 58'6" (18m)
- Width: 68'3" (21m)
- Length: 113' 7" (35m)

STAGE DIMENSIONS

The François-Bernier Concert Hall doesn't have a proscenium.

- Stage height: 3'4" (1m)
- Front stage width: 50' (15m)
- Back stage width: 33'1" (10m)
- Front stage to back wall: 39'2" (12m)
- Clearance underneath sound reflector: +/-35' (11m)
- From control booth to stage: 40' (12m)

See annex 1 p.6

LOADING DOCK

- Width: 18' (5.5m)
- Length: 16' (5m)
- Loading dock is on the same level as the stage
- The only access from loading dock to stage is via the corridor 6'6" by 6" (1.98m by 1.83m) at its narrowest point

See annex 1 p.6

FURNITURE AND ACCESSORIES

Risers:

- 11 - 4' X 8' sections (1,22 m X 2,44 m)
- 2 - 4' X 4' sections (1,22 m X 1,22 m)
- 36 - 8" legs
- 36 - 16" legs
- 36 - 24" legs
- 1 beige wooden choir riser (approx. 60 people)

Music stands:

- 60 plastic stands
- 10 high metal stands
- 5 low metal stands
- 4 conductor stands

Chairs:

- 70 plastic orchestra chairs 17.5''
- 40 cushioned orchestra chairs 18.5''
- 20 cushioned orchestra chairs 17.5''

Other:

- 1 conductor's podium
- 14 wooden cello "T's"
- 4 adjustable bass stools (no backs)
- 12 stand lamps
- 1 9' German Steinway concert grand piano (tuning fees not included), tuned A-442
- 1 9' American Steinway 9' concert grand piano (tuning fees not included), tuned A-440
- 1 adjustable piano chair
- 1 Bass amp Eden traveller 550 with 115XLT and 410XLT

TECHNICAL STAFF

We will refer you to a professional technical team acquainted with the equipment and premises. The number of technicians will vary according to the specific needs of each production. A free estimate can be provided upon request.

ELECTRICITY**Stage power supply**

- 1 panel, 400 amps, 3 phase, 120/208V «camlock» right stage (lightning)
- 1 panel, 200 amps, 3 phases, 120/208V «camlock» left stage (sound) , fixed power supply with 8 TL3 20A circuits and 2 TL4 30A circuits

Loading dock power supply

- Easy access for a mobile video and 3 access traps for cabling
- 1 panel, 200 amps, 3 phases, 120/208V «camlock»

SOUND EQUIPMENT

Some equipment could be provided for recording sessions (additional fees apply)

Snakes:

- 1 snake, 50 pairs (control booth to stage right)
- 1 patch box isolated, 50 pairs
- 1 portable snake 8 pairs (5-3) 75'
- 1 portable snake 8 pairs (8-0) 75'
- 2 portable snake 16 pairs (12-4) 100'
- 1 portable snake 40 pairs (32-8) 150'

Microphones:

- 1 Shure Beta 52
- 2 Shure Beta 57
- 3 Shure SM-81
- 2 Shure Beta 91
- 11 Shure SM 58
- 4 Shure sm57
- 2 Sennheiser 421
- 4 Sennheiser E604
- 2 Sennheiser E609
- 3 Beyer mc 713
- 2 AKG C-414
- 1 AKG C-535
- 1 Audiotechnica 4033
- 4 Crown PCC 160
- 3 Audio-Technica ATM-35
- 2 Shoeps CMC6U
- 4 Neuman KM184
- 2 Neuman TLM103
- 2 countryman 85 direct boxes
- 2 Proco db1 direct boxes
- 4 Radial pro48 active direct boxes
- 4 Radial pro48 stereo active direct boxes
- 2 Radial proDI passive direct boxes
- 2 BSS AR133 direct boxes
- 1 Shure SLX wireless receiver with sm58 microphone (additional fees apply)
- 1 Shure UR4+ dual UHF receiver (additional fees apply)
Choice of 2 UR2 handheld transmitters w/ SM58 or BETA87c capsule or 2 UR1 beltpack
- 2 Shure Headset microphones wcm16
- 2 Countryman iE6 headset microphones beige (omnidirectionnel)
- 2 Sennheiser wireless microphone receiver
Choice of e935 microphone or clip-on microphone (additional fees apply)

Stands:

- 15 long microphone stands with booms K&M (black)
- 11 short microphone stands with booms K&M (black)
- 4 straight microphone stands with round base (Atlas)
- 5 short tabletop microphone stand K&M (noir)
- 6 long microphone stands with booms (silver)
- 5 short microphone stands with booms (silver)
- 2 extra long microphone stands for recording
- 1 permanent rig for 2 suspended microphone (recording ORTF)

Other:

- 1 HHB CDR830 CD writer
- 1 Aphex 2070 dual channel preamp

- 1 Behringer Tube Composer T1952
- 1 M-Audio Computer external sound card with 2 inputs
- 1 Usb audio card Focusrite Scarlett 18i20

STAFF CONTACT

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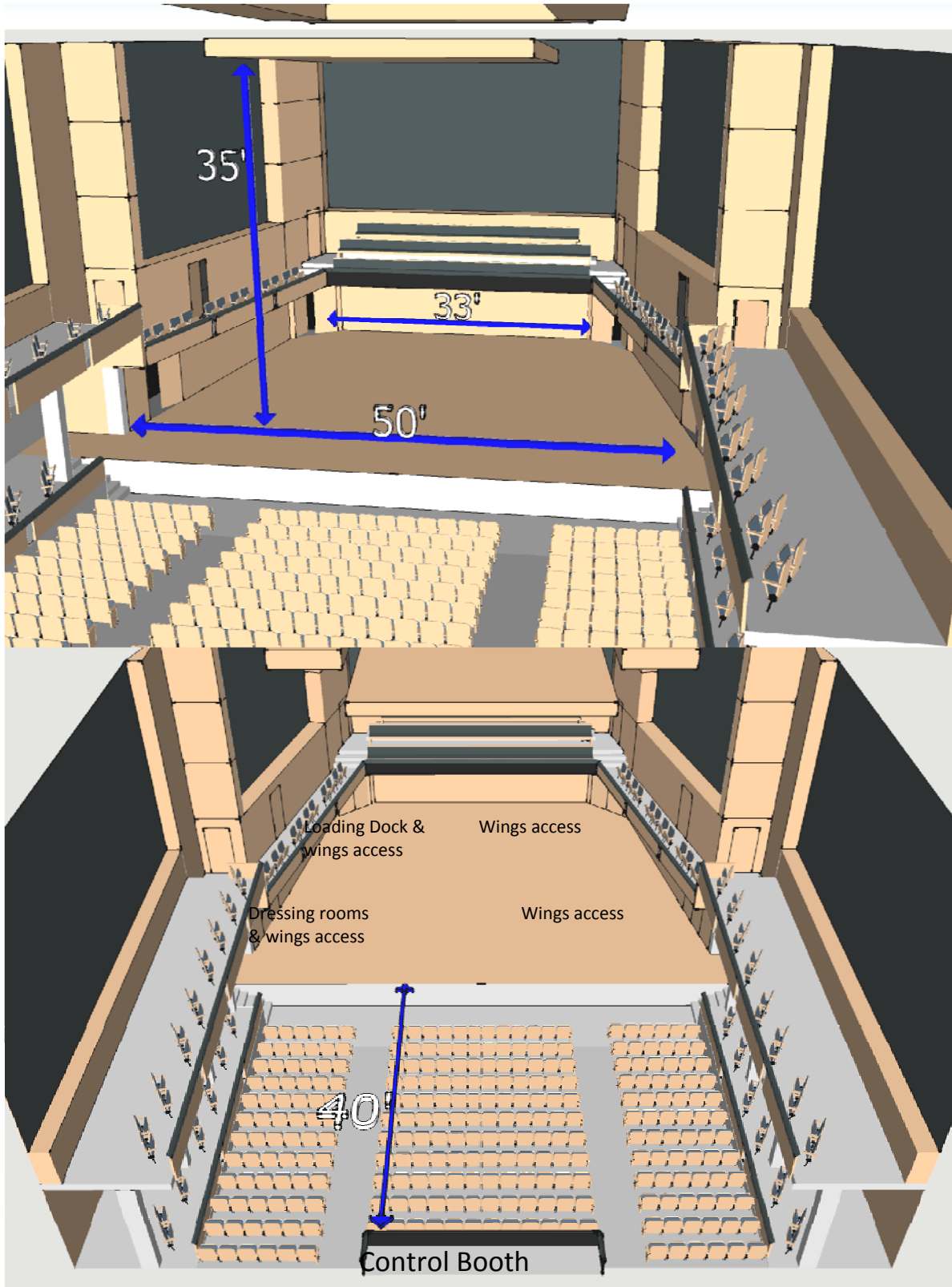
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Annex 1 - Stage dimensions and access



Annex 2 - Electrical plan & Rigging

