

TECHNICAL SPECS / 2023

Octave-Crémazie Hall



GRAND
THÉÂTRE
QUÉBEC



March 13, 2023

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Stage

ACCESS

- South of Jacques-Parizeau Street, entrance via parking lot.
- Loading dock for 2 trucks with levellers (slope driveway)
- Dock at 4 ft (1,20 m) high
- Door 13 ft (2,95 m) wide by 9 ft (2,75 m) high
- 3 outlets 240 V, 3 ph, 60 A

ELEVATORS

- 1 small freight elevator
wide : 15 ft (4,55 m) deep : 7 ft (2,13 m)
high : 10 ft (3,05 m)
door opening : 11 ft 6 in x 10 ft (3,05 m x 2,30 m)
- Sprinkler pipe at 9 ft 7 in (2,97 m) high, in front of small freight elevator
- 1 large freight elevator (stage elevator) :
Depth : 69 ft (21m)
Width : 7 ft 5 in (2,25 m)
Height : 9 ft 11 in (3,02 m)
- The elevator can rise 7 ft (2,13m) above stage floor.

SEATING HOUSE CAPACITY

- 506 seats
- 75 seats that can be removed. For more information, please contact stage manager.
- 4 places for wheelchairs

STAGE FLOOR

- Painted flat dark brown, wood B.C. fir
- Stage floor can be drilled and screwed into. Upon load-out the floor must be restored.
- There are 32 removable traps, 3 ft 6 in x 3 ft 6 in (1,07 m x 1,07 m)
- Stage capacity 250 lb/ft²
- Traps capacity 150 lb/ft²

DIMENSIONS

- No proscenium
- Width: 64 ft 8 in (19,70 m)
- Height under the pipe : 18 ft 4 in (5,60 m)
- Width from wing to wing : 73 ft (22,25 m)
- Depth : 44 ft (13,40 m)

FLY SYSTEM

- 10 pipes on stage and 7 in the house, double purchase counterweight system.
- Distance between each pipe is on average 12 in (30 cm), length 46 ft (14 m)
- Fly system is run from stage right on the mezzanine.
- 1 manual lighting pipe (N° 6)
- Capacity of each line set : 500 lb (225 kg)

CEILING

The ceiling is equipped with motorized and manual pipes. Each one is 63 ft 8 in (19,41 m) long.

Capacity :

on stage

- pipe A : 8000 lb (3636 kg)
- pipes B, C, D, E, F : 4500 lb (2045 kg)
- motorized pipe : 1600 lb (727 kg)
- pipe right and left : 1500 lb (682 kg)
- allemande (side pipes) : 850 lb (386 kg)

in house

- small perch : 275 lb (125 kg)
- long perch : 375 lb (170 kg)
- triangular truss : 1100 lb (500 kg)

Stage

HOUSE CURTAIN

- Royal blue velvet main curtain,
- Center opening on motorised traveller,
- Remote-control stage left or can be DMX

BORDERS

- 7 x 30 in x 68 ft (0,76 m x 20,73 m)
- 4 x 18 in x 68 ft (0,46 m x 20,73 m)
- 2 x 8 ft x 47 ft 8 po (2,44 m x 14,50 m)
- 3 x 6 ft x 47 ft 8 in (1,83 m x 14,50 m)
- 8 x 18 in x 10 ft 2 in (0,46 m x 3,05 m)

FRAMED LEGS

- 16 of 18 ft x 48 in (5,49 m x 1,24 m)
- 6 of 18 ft x 24 in (5,49 m x ,60 m)

If you need them, please contact stage manager before.

LEGS

- 7 x 15 ft x 18 ft 4 in (4,57 m x 5,60 m)
- 8 x 13 ft x 18 ft 4 in (4 m x 5,60 m)
- 12 x 8 ft 8 in x 18 ft 4 in (2,65 m x 5,60 m)

OTHER CURTAINS

- Between pipe 32 and pipe 33
 - 1 manual curtain on travelers split in 2 sections
 - 33 ft x 17 ft 6 in (10,05 m x 5,36 m)
- Pipe 43
 - 1 manual curtain on travelers split in 2 sections
 - 33 ft x 18 ft 3 in (10,05 m x 5,56 m)
- Pipe 42
 - 1 white cotton cyclorama
- 1 white scrim
- 3 black scrims

SMALL ORCHESTRA SHELL

- 14 flat panels of 4 ft x 16 ft (1,25 m x 4,90 m)

RISERS

- 12 units 4 ft x 4 ft (1,2 m x 1,2 m)
- 4 units 2 ft x 4 ft (0,6 m x 1,2 m)
- Height available:
 - 8 in (20 cm)
 - 12 in (30,5 cm)
 - 16 in (40,6 cm)

Upon request, subject to availability

- 33 units 4 ft x 8 ft (1,2 m x 2,4 m)
- 12 units 2 ft x 4 ft (0,6 m x 1,2 m)
- 66 units 4 ft x 4 ft (1,2 m x 1,2 m)

EQUIPMENT

(Upon request, subject to availability)

- 3 Steinway 9 ft Grand piano (model D), pitch : *la* 440 Hz
- 1 Yamaha U5 (52 po) upright piano
- Chairs
- Music stand
- Music stand light
- Conductor's podium with rail
- Conductor's music stand

DANCE EQUIPMENT

(Upon request, subject to availability)

- Vinyl dance floor «Harlequin Studio», black colors
 - 21 rolls of 41 ft x 5 ft (12,5 m x 1,5 m)
- 6 portable ballet bars 10 ft (3,05 m)
- Boxes for rosin
- Ice is always available

CHORAL RISERS

(Upon request, subject to availability)

- 8 x 3 step folding bleachers for 100 chorists

Lighting

CONSOLE LOCATION

In a booth, front of house or beside the sound board.

CONSOLES

AVAB Panther
AVAB Lynx

- Prego software
- 8 DMX universes
- 4 DMX 512 channel inputs

ETC Express 48/96

(Upon request, subject to availability)

grandMA2 ultra-light

(Upon request, subject to availability)

DIMMERS

AVAB DII digital

- 468 dimmers of 2,4 kW
- 12 dimmers of 6 kW

LIGHTING INSTRUMENTS

- 12 Robert Juliat profile spotlight 613SX, 28°–54°, 1 kW
- 12 Robert Juliat profile spotlight 614SX, 16°–35°, 1 kW
- 4 Selecon Pacific zoom spotlights, 54°–75°, 750 W
- 8 ETC Source Four zoom spotlight Zoom 25°–50°, 575 W, with iris
- 38 ETC Source Four profile spotlight 50°, 575 W
- 48 ETC Source Four profile spotlight 36°, 575 W
- 48 ETC Source Four profile spotlight 26°, 575 W
- 24 ETC Source Four profile spotlight 19°, 575 W, with iris
- 15 Altman baby Fresnels, 150 W
- 6 junior Arri Fresnels, 300 W
- 10 Altman Fresnels, 500 W, 6 po
- 72 Strand Patt Fresnels. 223, 1 kW
- 16 Strand 3480 Fresnels, 2 kW, 8 po
- 4 Bambino 3505 Fresnel, 5 kW
- 36 PAR ETC Source Four Par, 575 W
- 38 PAR 64, 1 kW
- 20 PAR 16, 150 W, 120 V
- 8 ACL on 2 bars of 4
- 4 Chroma-Q Color Block DB4
- 27 Altman ZipStrip
 - 30 MR-16 75 W, 3 circuit striplight
 - 9 of 25°
 - 9 of 40°
 - 9 upon request : 14°, 25°, 40°
- 10 Strand Patt. S/64, 8 x 150 W on 4 circuits, asymmetric, use only on the floor
- 36 Vari-Lite VL-1100 TS profile spotlight, 1 kW
 - Go to page 12 «rental equipment»

PERMANENT HOUSE LIGHTING INSTRUMENTS

- 24 Robert Juliat 611SX, spotlight profile 11°–26°, 1 kW
 - 12 on the gallery,
 - 12 on lighting bridge N° 1 with 12 iris.
- 12 Vari-Lite VL1100 TS, 1 kW, permanent fixture, foh
 - 1 on small perch x 2
 - 2 on long perch x 2
 - 6 on triangular truss

PAR LED PROJECTORS

(Upon request, subject to availability)

- 20 Chauvet Colorado 3 Solo

Lighting

GELS FRAME SIZE

- 3¾ po (9,5 cm)
 - Baby Fresnel Altman
- 4½ po x 4¾ po (11,5 cm x 12 cm)
 - Altman Zip Strip MR-16
- 7½ po (19 cm)
 - ETC Source Four
 - Fresnel Altman 500 W 6 po
 - Robert Juliat
- 8½ po (21,5 cm)
 - Fresnel Strand Patt. 223
- 8½ po x 9 po (21,5 cm x 23 cm)
 - Strand Patt. S/64
- 10 po (25,7 cm)
 - Fresnel Strand 3480 2 kW
 - PAR 64
- 12½ po (32 cm) ronde
 - Fresnel Bambino 3505 5 kW

MISCELLANEOUS / HARDWARE

- 1 smoke machine, High End FQ-100
- 1 fog machine.
- 1 Jumbo Strobe
- Gels Lee Filters
- 48 half hats, 7½ in (19 cm)
- All connectors are ACNOR : L5-20
- Booms
- Side arms
- Floor bases
- Barn doors
- etc...

COMPANY SWITCH

- 2 main panel, 120/208 V, 3 ph, 200 A, upstage right

LIGHTING TRUSS

(Upon request, subject to availability)

- Arcofab model TTD-1212-S aluminium, total length 72 ft (22 m)
 - 8 truss of 12 in x 12 in x 8 ft (30 cm x 30 cm x 2,40 m)
 - 2 trusses of 12 in x 12 in x 4 ft (30 cm x 30 cm x 1,20 m)
 - 8 floor plate of 36 in x 36 in (90 cm x 90 cm)
 - 4 top plates for truss.

Sound

MIX POSITION

Center back of the house.

FRONT OF HOUSE CONSOLE

- AVID S6L
 - Control surface : AVID S6L-24D
 - Engine : AVID E6L-192
 - I/O : AVID Stage 16
- Plugins
 - Sonnox Dynamic EQ
 - Sonnox supresser DS
 - Sonnox TransMod
 - Sonnox Inflator
 - Empirical Lab Arouser
 - Flux Bitter Sweet V3
- Stage rack #1 AVID Stage 64
 - Input :
 - 7 x analogs boards SRI-192
 - 1 x board AES DSI-192
 - Output :
 - 3 x analogs boards SRO-192
 - 1 x board AES DSO-192
- Stage rack #2 AVID Stage 64
 - 1 x board DANTE DNT-192 (8 in / 8 out)
 - Input :
 - 5 x analogs boards SRI-192
 - Output :
 - 3 x analog board SRO-192

EFFECTS, PROCESSORS

- 1 Lexicon 300, multi-effects
- 1 Klark Teknik DN 6000
- 1 audio processor, Meyer Galileo Galaxy 816 AES

PLAYERS, RECORDERS

- 1 player system redundancy
 - 2 Mac mini Quad Core i7, 16 Go,
 - 2 SSD 256 Go
 - 2 interfaces audio RME MADIface XT
 - 2 interfaces MIDI M-Audio Midisport 4x4
- 1 iMac 21,5 po Quad Core i7 3,6 GHz, 32 Go
 - ProTool software 128 pistes AVB
 - SMAART V8 software
 - QLab software v.4.6.3 et v3
 - Widget-Pro software
 - Abelton Live software v9 et v10
 - Max/MSP software, Jitter 7
- 1 CD Denon DN-C640
- 2 CD Denon DN-C635
- 1 CD/DVD double recorder HHB CDR-882

PA HOUSE SYSTEM

- L-Acoustics KIVA speakers
 - 6 KIVA
 - 2 SB15 each side on the ground
 - 6 KIVA cluster center
 - 2 SB18 on the ground, each side
 - 9 5XT front fills
- L-Acoustics amplifiers
 - 4 x LA4
 - 1 x LA8

SURROUND SPEAKER

- 3 Genelec 1030A right side
- 3 Genelec 1030A left side

Sound

MONITOR CONSOLE

- AVID S6L
 - Surface : AVID S6L-24D
 - Engine : AVID E6L-144
- Plugins
 - Empirical Lab Arouser

IEM WIRELESS

- 4 Shure PSM-300
- 4 earphones Shure SE215
- 1 Shure PA411, antenna combiner

STAGE MONITORS

- 8 x L-Acoustics X8
- 8 x L-Acoustics X12

Upon request, subject to availability

- 8 x Meyer MJF-212-A
- 8 x Meyer MJF-210-A

Sound**MICROPHONES**

- 5 Shure SM58S
- 2 Shure SM58
- 2 Shure 565SD
- 1 Crown PZM
- 1 AKG C414 XLS
- 4 Audio Technica ES915ML
- 5 Crown PCC-160
- 4 Neumann KM 184
- 2 Crown LM300A
- 2 Countryman Isomax M2CP4FF10 cardioïde.

Extra microphones

(Upon request, subject to availability)

- 3 AKG C-414 EB
- 4 AKG C-414 ULS
- 2 AKG C-451 with :
 - 2 CK-1 capsules
 - 2 CK-5 capsules
 - 1 CK-8 (canon) capsules
- 5 AKG C-460,
 - CK-1 capsule
- 3 AKG C-535
- 2 Audio-Technica AT4050/CM5
- 5 Audio-Technica ATM 35
- 8 Audio-Technica ES 915
- 4 Beyer Opus 51
- 1 C-Ducer stéréo
- 4 Countryman Isomax 2 C-10
- 2 Countryman Isomax 2 H-10
- 5 Crown PCC-160
- 3 Crown LM 300A 17 po
- 4 Electro-Voice 308-A
- 1 Electro-Voice RE-20
- 1 Electro-Voice RE-320
- 14 Neumann KM 184
- 2 Neumann KMS 105
- 4 Neumann TLM 103
- 2 Neumann U87

WIRELESS MICROPHONES

Go to page 12 «Rental equipment»

DIRECT BOX

- 6 Radial JDI
- 4 Radial ProD2
- 2 BSS AR-116

ACCESSORIES

- 75 K&M black microphone stand
 - Small and tall

- 10 Sennheiser 421
- 2 Sennheiser 441
- 4 Sennheiser e604
- 4 Sennheiser e904
- 4 Sennheiser e906
- 6 Sennheiser e935
- 2 Sennheiser MKH 40
- 2 Shure Beta 52
- 3 Shure Beta 57
- 8 Shure SM 57
- 2 Shure Beta 58
- 16 Shure SM 58
- 6 Shure SM 58S
- 4 Shure Beta 87A
- 2 Shure Beta 91
- 4 Shure Beta 98
- 6 Shoeps CMC 6-U
 - 4 cardioïde capsule
 - 2 hypercardioïde capsule
- Crown PZM 315

Sound

COMMUNICATION

- 1 RTS at 2 channel, wire system
 - 8 stations BP-325
 - 2 stations BP-320
 - 3 stations MCE-325
- 1 Riedel systems
 - 12 Bolero beltpack
- Dressing room paging
- 1 Albatros audio 5.5B, press box

AUXILIARY EQUIPMENT

(Upon request, subject to availability)

- 1 Midas Venice 160 console
- 2 Mackie 1402VLZ-PRO console
- 4 Meyer UPM-1P, powered speakers with stand
- 2 iso transformer, stereo
- 3 personal monitors Fostex 6301B
- 4 personal monitors Yamaha MSP3
- 1 TC Electronics Level Pilot
- 1 Palmer Audio Monicon PMC1, mini mixer.

HEARING IMPAIRED

FM system (98,5) portable radios available at coat check

Video / Projection

PROJECTION / VIDEO BOOTH

- In a booth, front of house

VIDEO BOOTH EQUIPMENT

- HD-SDI Blackmagic SmartHub16x16
- HD-SDI Blackmagic HyperDeck Studio Pro
- 1 iMac Pro
 - 1 Millumin software
 - 1 Qlab software
- 1 iMac Pro
 - 1 Millumin software
- 1 Blackmagic capture and playback
 - 4 input SDI
 - 4 output SDI
- Blackmagic SmartView, monitor video

VIDEO PROJECTOR

- 3 Sharp XG-P610X, 3 DLP, 6000 lm
(See page 12, rental equipment)
- 2 Christie Roadster HD 14K-M, 3 DLP, 14 000 lm
(See page 12, rental equipment)

SCREENS

(Upon request, subject to availability)

- 1 x 9 ft x 16 ft (2,74 m x 4,90 m) , front projection screen
- 1 x 12 ft x16 ft (3,65 m x 4,90 m), front or rear projection screen
- 1 x 9 ft x12 ft (2,75 m x 3,65 m), front or rear projection screen

CAMERAS AND HARDWARE

(Upon request, subject to availability)

- 2 Sony PXW-X180 camera
- 2 Marshall CV500-MB camera
- 1 Marshall CV342-CSB camera
- 4 Sony SRG-360SHE full HD remote camera
- 1 Sony RM-IP500 camera remote controller
- 2 504HD 546BK tripod system

Rental equipment**LIGHTING****MOVING LIGHTS**

Vari-Lite Profile spotlight

- 12 Vari-Lite VL1100 TS, 1 kW, permanent instruments, foh
 - 1 on small perch x 2
 - 2 on long perch x 2
 - 6 on triangular truss
- 36 Vari-Lite VL1100 TS, 1 kW
 -
- All VL1100 can be used as a «Fresnel», they are equipped with corrector
50 \$/ day rental fee

Upon request, subject to availability

- 5 Vari-Lite VL3000 Q SPOT, HMI, 1200 W
50 \$/ day rental fee
- 5 Vari-Lite VL3500 Q SPOT, HMI, 1200 W
50 \$/ day rental fee
- 10 Martin MAC 700 Profile
25 \$/ day rental fee
- 14 Martin MAC 600, lens 25°
25 \$/ day rental fee

SOUND**WIRELESS MICROPHONES**

Sennheiser series 5000

- 4 bodypack transmitter SK 5212-II
50\$ / day rental fee
- 2 handheld SK 5200-II with KK-104 cardioid capsules
50\$ / day rental fee
- 2 double receivers EM 3732-II
(included with the rental, no charge.)

Product included with rental

- 4 omni handsets 4066 F
- 4 lavaliers MKE-2 gold
- 2 headsets with cardioid capsule ME-104
- 2 headsets DPA 4088F with DPA to Lemo DAD6003 adapters

PROJECTION / VIDEO**VIDEO PROJECTORS**

Projector Sharp 6000 lm

- 3 projectors Sharp XG-P610X, 3 DLP, 6000 lm
250 \$/ day rental fee
- lens
(included with the rental, no charge)
 - 2 fixes 0,8:1
 - 3 zoom 1,5–1,8:1
 - 1 zoom 1,8–2,25:1
 - 1 zoom 2,25–3,0:1
 - 1 zoom 3,0–4,5:1

Projectors Christie Roadster HD

(Upon request, subject to availability)

- 2 projectors Christie Roadster HD 14K-M, 3 DLP, 14 000 lm
500\$ / day rental fee
- lens
(included with the rental, no charge)
 - 2 fixe ILS 0,67:1 HD
 - 1 zoom ILS 1,8–2,6:2 HD
 - 1 zoom ILS 2,6–4,1:1 HD
 - 2 zoom ILS 4,6–6,9:1 HD

Other services

REHEARSAL STUDIO SJA (2nd basement S2)

- Floor : linoleum on plywood
- 37 ft x 60 ft (11,20 m x 18,25 m)
- Must be reserved :
 - Rental: 125 \$/ 4 hours

Studio equipment

- Chairs
- Tables
- Mirrors
- Sound system

Rehearsal studio SR3 (3rd level)

- Floor : linoleum on plywood
- 40 ft x 60 ft (12,20 m x 18,25 m)
- Must be reserved :
 - Rental: 125 \$/ 4 hours

Studio equipment

- Chairs
- Music stands
- Table
- Ballet bars
- Mirrors
- Sound system
- 7 ft Bösendorfer Grand piano.

Upon request for both studios

- Vinyl dance floor «Harlequin Studio»
- Audio or video monitors
- Risers
- Ballet bars
- Music stands

DRESSING ROOMS

Equipped with mirrors, lights, toilets and showers, Wi-Fi

- 2 rooms for 2 persons
- 1 room for 3 persons
- 1 room for 4 persons
- 1 room for 8 persons
- 1 make-up room for 3 persons
- 1 production office / green rooms
 - Stage monitoring
 - Phone
 - Refrigerator
 - Sink
 - Seating for 8 persons

COSTUME MAINTENANCE

- Washing machines
- Driers machines
- Sewing machine
- Steamers
- Rolling costume racks

NB : Wardrobe employees will do steam ironing, pressing and minor repairs only. No creation or major repairs

UNION

Technicians, dressers and projectionists are members of the *International Alliance of Theatrical Stage Employees, Moving Picture Technicians, Artists and Allied Crafts of the United States, its Territories and Canada, local 523 (IATSE), Québec.*

Wi-Fi

- Available anywhere in Grand Theatre.

SAFETY

Safety helmet and steel toed shoes are mandatory during loading in and loadout.