30 Saint-Just Avenue, Montréal, QC, H2V 1X8
514-270-2717 | lamiam.ca

Technical Rider

TECHNICAL DIRECTOR
Jimmy Deschênes
514-270-2717
technique@lamiam.ca

Version *2020-10-06*

FACILITIES

Lab

The Lab is a variable geometry black-box type space for creation and dissemination.

Floors

Russian birch plywood with black marmoleum finish.

Walls

Lined with plywood up to 8 ft. for lightweight fixing.
The western wall (stage left) features windows with opaque shutters that can open to let the daylight in.

Curtains

Black velvet stage curtain on a rail that can be drawn around the entire room.

Dimensions

Room width (wall-to-wall)	5.1 metres	16'9"
Room depth (wall-to-wall)	10.7 metres	35'
Height up to the hanging grid	5 metres	16'
Stage dimensions (with seating deployed)	5 metres × 5 metres	16' × 16'

Public space

Motorized rows of benches can be deployed to seat a maximum of 54 adults.
IMPORTANT: Deploying or storing away the seats necessitates the presence of the MIAM's technical director and requires 20 minutes during which the Lab will not be accessible.

Access

A double-door loading dock at floor level at the back of the room (stage left) is accessible via Saint-Viateur Street.
Audience entrance is at the rear (stage left) via a soundproof double-door leading to the foyer.

Electricity

Multiple 15A circuits with U-Ground outlets on the eastern and western walls, as well as the ceiling.
CAMLOCK type three-phase 120/208 45A power supply in the basement, with an access hatch stage left (distribution and wiring not provided).

TECHNICAL EQUIPMENT

Lighting

Spotlights

10	Fresnel LED spotlights	FN-LED 50 W
6	20-40 degree LED profile spotlights	PR-LED 50 ZS WW
8	35-50 degree LED profile spotlights	PR-LED 100ZW WW
4	36 degree mini LED profile spotlights	ETC Source 4 LED Mini / not addressable
12	5-24 degree RGBW PAR LED spotlights	Chauvet COLORado M Solo
2	75W mini profile spotlights	Altmann Micro Ellipse / not addressable
2	75W mini profile spotlights	Altmann Micro Flood / not addressable

Note: All devices are equipped with half coupler clamps, gelatin holders and security cables.

Control

1	Lighting console platform	Lightshark LS-1
1	Lighting console platform	ETC Element 2
1	6-channel DMX dimmer	Leprechaun ULD-360-HP
2	4-channel DMX dimmers	NSI DDS-5300
1	DMX ethernet converter	ENTTEC ODE MK2
1	DMX opto splitter (fixed in the control room)	Elation Opto Branch 8
1	DMX opto splitter (removable)	Elation Opto Branch 8

Accessories

2	Drop-irises (100W spotlights)
6	M size gobo holders (50W spotlights)
6	M size gobo holders (100W spotlights)
	Rosco gelatins (varied colours)
	Barn doors for Fresnel and Colorado spotlights
	DMX cables (several lengths available)
	U-Ground cables (several lengths available)

Sound

Control

1	16-channel digital mixer	Midas M32R

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| 1 | 12-channel analog mixer | Soundcraft EFX-12 |
| 1 | 12-channel analog mixer | Yamaha MG124CX |

Speakers and amplifiers

4	200W passive speakers	Kling & Freitag Passio
1	400W subwoofer	Kling & Freitag Passio Sub15
2	1200W 2-channel amplifiers	Lab Gruppen IPD 1200
1	2400W 2-channel amplifier	Lab Gruppen IPD 2400
2	Active speakers with tripods	QSC K12.2

Microphones

2	Dynamic vocal microphones	Shure SM-58
2	Dynamic instrument microphones	Shure SM-57
2	Condenser shotgun microphones	Audio Technica AT875R
2	Supercardioid floor microphones	AKG PCC160
2	Wireless microphones (Bâton and Lavalier kit)	Audix AP42 C210
2	Wireless microphones (Lavalier)	Audix AP41 L10
2	Active DI boxes	Radial Pro48
2	Passive DI boxes	Radial ProD1
4	Tall microphone stands with long booms	K&M 210/2
2	Short microphone stands with short booms	K&M 25950

Other

1	CD/USB media player with Bluetooth	Denon DN-500CB
1	Professional headphones	Audio - Technica ATH-M40x
	XLR cables (several lengths available)	
	Set of various audio/video adapters	

Computer & video

Computers

1	MacBook PRO Core i9 16G RAM (MacOS 10.14)
1	Lenovo T440P Core i5 16G RAM (Windows 10)
1	iPad to control sound/lighting

Projectors

| 1 | LASER 7 video projector (fixed) | Christie DWU850-GS |
| 1 | HD video projector | BenQ MW 612 |

Projection surfaces

1	HDTV 413 × 232 cm projection screen (fixed)	Draper 241329
1	203 × 114 cm mobile projection screen	

Accessories

1	HD4K Transmitter/receiver kit	Atlona 4 K-HDVS-EXT

Stage & Hardware

Accessories

4	4' × 4' risers (with 12", 24" and 26" legs)
10	15 lb (6 kg) sandbags
20	Steel swivel clamps (Cheesborough)
4	10' steel pipes (booms)
4	6' steel pipes (booms)
4	35 lb cast-iron bases
1	Individual scissor lift (max. 16') Hy-Brid HB-P1027
1	12' fibreglass stepladder
1	6' aluminum stepladder
1	Safety harness with double safety lanyard

Curtains

5	10' × 11' stage curtains with Velcro strip (top)	2 10' T-shaped supports with cast-iron bases
3	8' × 11' stage curtains with Velcro strip (top)	2 8' T-shaped supports with cast-iron bases
6	8' × 16' stage curtains (knotted)	

Workshop

Floor

Heated hardwood and slate floor.

Lighting

Full-window western wall overlooking the outdoor terrace, artificial LED lighting.

Access

Double door leading to the outdoor terrace.
Single door leading to the foyer.
Single door leading to the workbench (the workbench is accessible through the workshop).

Electricity

Several 15A circuits with standard U-Ground wall outlets.
4 15A circuits with Twist Lock ceiling outlets.

Equipment available

4   Long wooden tables (230 × 80 cm), height-adjustable (from 71 cm to 94 cm)
2   Plastic folding tables (180 × 74 cm), 73 cm in height
4   Plastic folding tables (60 x 122 cm), height-adjustable
16   Steel stools with wooden seats, height adjustable (from 47 to 70 cm)
20   Wooden stools, fixed height (45 cm)
2   Pipes for suspending light-weight elements
1   Industrial stainless steel sink
13   Black wooden blocks (43 × 40 × 13 cm)
        Various tools (glue gun, scissors, utility knives, sewing machine, paint, etc.)
        Various materials (wood, string, polystyrene, glue, etc.)

Workbench

The workbench is equipped with select tools adapted to the available space and for work on objects of various sizes.
2   Bench vice and smaller multi-angle vices
1   SAS brand 30" × 40" spray paint extractor fan
1   Rikon 10" bandsaw
1   Festool vacuum with a 99% HEPA filter that connects to the power tools (currently being installed)
1   Table-mounted drill press
1   18" scroll saw
        Various handheld power tools