



OBORO

New Media Lab

4001 Berri Street, room 301, Montréal (Québec) H2L 4H2

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We are located at the centre of the Plateau-Mont-Royal borough close to Duluth Street, halfway between the Mont-Royal and Sherbrooke metro stations.

OBORO's research and production laboratory in media arts and new technologies offers a vast array of equipment and professional resources. A 864-square-foot studio with a 180-degree limbo, movable black curtains that can encircle the entire space and a professional lighting system is available for various types of shooting and other activities. Several computer work stations, as well as a variety of audiovisual and technological input-output devices and equipment are also available for digital video shooting and editing, audio recording and post-production, as well as for 2D, 3D, multimedia, interactive, QTVR, web and Internet production. We also offer web-streaming services for those wishing to set up on-line events.

Consult our website for an updated list of our available equipment, products and services. For further information, contact our access coordinator by email (lab@oboro.net) or phone (514-844-3250 #230).

Anyone wishing to carry out a project on an independent and non-commercial basis is invited to become a member of OBORO and have the opportunity to use the equipment at reduced rates. The New Media Lab also hosts residencies, production projects, workshops and presentation activities. Please consult our web site at www.oboro.net/lab for detailed information.

OBORO warmly thanks the ministries and organizations who contributed directly to the creation of the New Media Lab: the Department of Canadian Heritage, the ministère de la Culture et des Communications du Québec, the ministère des Affaires municipales, du Sport et du Loisir du Québec, the Corporation de développement économique et communautaire Centre-Sud/Plateau Mont-Royal, the Daniel Langlois Foundation for Art, Science, and Technology.



Patrimoine
canadien Canadian
Heritage



OBORO also thanks its members, as well as the following organizations for their generous financial support of our program of activities and/or special projects: the Media Arts Section and the Visual Arts Section of the Canada Council for the Arts, the Conseil des arts et des lettres du Québec, the Conseil des arts de Montréal, the Department of Canadian Heritage, the ministère de la Culture et des Communications du Québec, the Daniel Langlois Foundation for Art, Science, and Technology, the Corporation de développement économique et communautaire Centre-Sud/Plateau Mont-Royal, Emploi-Québec, the Cultural Human Resources Council, the Fonds de stabilisation et de consolidation des arts et de la culture du Québec, the Service du développement culturel et de la qualité du milieu de vie of Ville de Montréal, the Caisse populaire Desjardins du Mont-Royal, the Cirque du Soleil and the companies Discreet and Adobe.



Production Studio

STUDIO 01		Day *	Week*
Studio with 6 circuits		\$475	\$1 900
Studio with 12 circuits		\$550	\$2 200
Studio with 24 circuits		\$625	\$2 500
<p>864 square feet (depth: 35' length: 26' ceiling height: 10')</p> <p>Equipped with a cyclorama (limbo - 180° curved wall), a permanent professional lighting system, an independent control room and moveable black curtains completely encircling the studio.</p> <p>24 dimmers (circuits) each 2000W on Socapex to u-ground, or a camlock 100A monophase syste</p>			
<p>Building equipped with a loading dock</p> <p>Large freight elevator 19' X 8' X 8' (Max. 1000 lbs load)</p> <p>Lab and Studio equipped with alarm system</p> <p>Uniformly polished concrete floors</p> <p>15 black velour curtains on rail, each panel 8' wide completely surround the room</p>		<p>High speed internet with a DHCP hub</p> <p>Air-conditioning system</p> <p>Technical grid of 63 pipes at 18" intervals</p> <p>Acoustically treated ceiling</p> <p>Mobile costume rack</p> <p>Mobile makeup table</p>	
Lighting Equipment (included with Studio 1)		Various Hardware (included)	
<p>12 STRAND CENTURY 500W Iris (8 set on the limbo)</p> <p>4 ARRI 1000W Fresnels with scrims and barn doors</p> <p>4 ARRI 650W Fresnels with scrims and barn doors</p> <p>4 ARRI 300W Fresnels with scrims and barn doors</p> <p>4 ETC Source4 Lekos 575W 25/50°</p> <p>2 ARRI 1000W Open-face with scrims and barn doors</p> <p>2 MOLE RICHARDSON Baby softlite 2000W</p> <p>1 CHIMERA 1880 lantern</p> <p>1 CHIMERA VideoPro plus bank</p> <p>1 Grip Box (24" X 36 ")</p> <p>1 speed ring for Fresnel and for Open-face</p> <p>1 Support for seamless paper</p> <p>1 Green Chroma cloth, 9' x 30'</p> <p>1 Blue Chroma cloth, 9' x 30'</p>		<p>36 AC extensions 5', 10' and 25' (12 of each)</p> <p>6 U-ground to twist lock adapters</p> <p>6 Quad Boxes U-ground, 6 Twin boxes U-ground</p> <p>4 HAMMOND Powerbars</p> <p>6 Standard Century-Stands</p> <p>6 Hollywood Arms 40"</p> <p>6 Rolling lighting tripods</p> <p>2 MANFROTTO Magic Arms</p> <p>18 Apple boxes (6 x full, 6 x 1/2, 6 x 1/4)</p> <p>15 sand bags</p> <p>1 SNAP-UP 6' folding scaffold</p> <p>2 Step ladders (6' and 8')</p> <p>2 LIFETIME folding tables (30" X 62 ")</p> <p>60 folding chairs</p>	

Studio Equipment (optional)		Day	Week
DMX console: 24 channel ETC Express 24/48		\$50	\$200
SONY NTSC 14" studio monitor		\$50	\$200
MACKIE 1202 VLZ Console - 14 inputs		\$15	\$60
MACKIE HR824 amplified speakers		\$45	\$180

* One Day = 10 consecutive hours; Extra hours billed at hourly rate
 Week = 5 days of 10 hours.

Studio 01 can be used every day from 8 AM to 10 PM. Note that a supplementary charge of 35\$/h applies to pay for a Lab technician to be on site on week days from 6 PM to 10 PM or during week-end days from 8 AM to 10 PM.



OBORO

laboratoire nouveaux médias

Video Equipment

HDV / DVCAM / DV Camera		
	Day	Week
SONY HVR-Z1U	\$120	\$480
50Hz / 60Hz (PAL / NTSC) switchable 2 channel Audio XLR inputs 2 channel independent audio record level control B/W & colour switchable viewfinder	Remote Batteries and charger AC adapter	

DV Camera		
	Day	Week
SONY DSR-PD150	\$100	\$400
Firewire Remote control	3 batteries and charger AC adapter	

Mini DV Video Camera		
	Day	Week
SONY TRV-900	\$45	\$180
Firewire Sony 0.6 wide angle lens Video IR light	Remote 3 batteries and charger AC adapter	

Video Mixer		
	Day	Week
PANASONIC AG-MX70	\$150	\$600

Photo Equipment / QTVR

Digital Camera (Reflex)		
	Day	Week
CANON EOS 20D	\$45	\$180
8.2 Megapixels CANON EF-S 17-85 IS USM Telephoto Lens 2 rechargeable BP-511A and charger	2 X 1 GB Compact Flash Memory cards BGE2 Battery Grip USB	
MANFROTTO 028 tripod with 302+ QTVR panoramic head	\$16	\$64
1 QTVR KAIDAN PIXI turn table	\$10	\$40

Tripods and Heads

	Day	Week
MANFROTTO 161Mk2 superpro tripod with 116MK3 Fluid head	\$16	\$64
MANFROTTO 028 tripod with 302+ QTVR panoramic head	\$16	\$64
MANFROTTO 475 ProGeared tripod with 136 fluid head	\$16	\$64
MANFROTTO 190D mini tripod with 128RC micro video head and transport bag	\$16	\$64
MANFROTTO Proball 468RC ball head (for 190D mini tripod or monopod)	\$8	\$32
MANFROTTO 457B monopod with sliding video head	\$8	\$32
MANFROTTO 114 video dolly (for 161Mk2 superpro tripod)	\$8	\$32
MANFROTTO 181 folding dolly (for 475 ProGeared tripod)	\$8	\$32



Sound Recording and Experimentation Studio

Surround Sound Audio Suite	Half Day	Day	Week
	200 \$	\$330	\$1 320

The sound recording and experimentation studio is an ideal place for audio design, mixing and 5.1 mastering. The control room is conjoined by two isolated variable acoustic recording studios built on floating floors. It is equipped with 5 full range monitors speakers and one sub-woofer remotely controlled on an ethernet network. The studio has been built in accordance to the highest industry standards.

Control Room 02

Acoustical design: Résonance TJL Inc
 Custom Installtion, serviced by Adgil Design

Monitoring

DYNAUDIO, AIR 20 Pack 2A 5 full-range active monitor and 1 sub BENCHMARK, DAC-1, DA converter SENNHEISER, HD 650 reference headphones	FOSTEX, 6301 B reference monitors RADIO SHACK, Digital sonometre
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Digital Audio Workstations

DIGIDESIGN, PROTOOLS HD 2 ACCEL core system
 PowerMAC, G5, 1.6 GHz, 1GB RAM, 250 GB HD, DVD-R/CD-RW
 3 X GLYPH, GT 050 120GB, Firewire desktop hard disks.

Software

DIGIDESIGN, ProTools 7.2 DIGIDESIGN, Digi Translator 2.0 AUDIO EASE, Barbabatch 4.0 sound file conversion DTS, Pro Series, surround encoder (DTS Digital 5.1, DTS-ES 6.1 discrete, DTS-96/24 5.1) PLEXTOR, PlexTools Professional, CD/DVD diagnostic APPLE, Waveburner Pro 1.2 CDr mastering software	APPLE, Logic Pro 7.2.0 with 8 virtual synths, 1 24 bit sampler and lots of plug-ins NATIVE INSTRUMENTS, Reaktor 4 modular sound creation environment ABLETON, Live Digidesign edition ACCESS, Virus TDM PROPELLERHEAD, Reason Adapted
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Analog Processing

CRANE SONG, IBIS Class A mastering EQ
 CRANE SONG, STC-8/M Class A mastering compressor/limiter
 2 MILLENIA MEDIA, TD-1, Reamping, Class A EQ

Digital Processing

TC ELECTRONIC, System 6000 V3.60, Multi channel digital processor
 Mastering 6000 licences: Massenburg DesignWorks, HiRes EQ, MD3, MD4, MD5.1, Brickwall Limiter 2, ToolBox 5.1
 Reverb 6000 licences: VariPitch 8, VSS™ 4, VSS™SR, VSS™5.1 Source, VSS™ 6.1, VSS-M4
 WAVES, L2 Hardware 48 bit/ 96kHz limiter
 WAVES, Platinum Bundle: Renaissance, Masters: Linear phase EQ, Linear Multiband, L2 Peak Limiter
 WAVES, Restauration Bundle: X-Noise, X-Click, X-Crackle, X-Pop
 CRANE SONG, Phoenix Bundle, Triode, Pentode and Tape emulation
 SONY, Oxford OXF-R3, EQ, Oxford OXF-R3, Dynamics



Surround Sound Audio Suite (Continued)

Digital Converters and Clocks	Dither Options
TC ELECTRONIC, System 6000, 3 x ADA2496, AD/DA reference BENCHMARK, DAC1, reference DA converter / switcher APOGEE, Big Ben, 192k Master word clock APOGEE, MiniMe, AD converter DIGIDESIGN, 192 I/O, interface with 2 x digital I/O card DIGIDESIGN, SYNC I/O, video sync, word clock	POW-R WAVES, IDR
	Digital Mixer / ProTools control surface
	YAMAHA, DM 1000V2
Playback and Recorders	Metering
ALESIS, MASTERLINK CD/CDR/RW player/recorder PLEXTOR, PX-716UF CDr, DVD±R/RW burner Cambridge Audio AZUR 540D DVD/DVD-A/DVD-V/CDR/RW player TASCAM DA-P1 DAT player/recorder	ADGIL, SURROUND 5.1 mobile VU-metres MYTEK DIGITAL, DDD-603 AES/EBU digital VU-metres YAMAHA, MB1000 meter bridge
Microphone Preamps / DI	Video Capture and Video Screen
CRANESONG, FLAMINGO Class A mic preamp 2 MILLENIA MEDIA, TD-1 Discrete hybrid (HV-3) mic preamp, Class A / TUBE DI APOGEE MiniMe mic preamp 4 RADIAL, JDI MK III passive DI	CANOPUS, ADVC-100 video card NEC, LT260K DLP 2400 lumens projector LESNA, 50" X 67" projection screen HORITA, BlackBurst BSG-50 video reference
Wiring and Routing	
Digital and analog cabling used is MOGAMI, APOGEE and CANARE 2 ADC, digital and analog Patchfields	

Studio 02 and Green Room 02b (Recording studios)

Microphone Systems

NEUMANN, M 149 condenser tube mic with 9 different polar patterns and 7 high-pass filters SCHOEPS, CCM8Lg Compact figure8 condenser mic SCHOEPS, CCM41Lg Compact supercardioid condenser mic MANFROTTO, mini-tabletop tripod RYCOTE, M/S suspension RYCOTE, M/S windscreen RYCOTE, M/S windjammer	CROWN, SASS-P MKII, Stereo ambient microphone 2 X SENNHEISER, E 835 dynamic cardioid mic SENNHEISER, E 602 dynamic cardioid mic AIRR, 200 large pro boom mic stand 5 x K&M, 210/6 mic stands K&M, 259/1 short mic stand 2 x STEDMAN, PS-101 pop-screens 6 x SABRASOM, SSM-1 shock mounts
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Monitoring

4 X BEYER DYNAMIC, DT-250-80 Headphones
OZ AUDIO HR4 headphone amp



Portable Audio Recording Equipment

MOBILE KIT 1		
DIGIDESIGN Mbox	Day	Week
	\$65	\$260
Portable audio production system with Pro Tools LE 7.3 USB -powered digital audio interface with 2 analog I/O, 2 mic inputs, SPDIF I/O, 24bit - 44/48Khz AD/DA converter, Includes 48V USB phantom power for mics. Plugins: WAVES PLATINUM Native Bundle		
MAC POWERBOOK G4 - 1 GHz / 512 MB Ram / 60 GB HD / Combo Drive, GRAVIS Prime transport pack		
<i>option:</i> SENNHEISER HD280 head phones		
	\$8	\$32
MOBILE KIT 2		
APOGEE Mini-Me	Day	Week
	\$35	\$140
High-end portable 24bit - 96Khz AD converter and pre-amplifier, stereo mic/line input with Soft Limit limiter, Push-IT compressor, USB I/O, SPDIF I/O, UV22 dither, and 48V phantom power for mics.		
1 APOGEE SPDIF Wide Eye cable (6') 1 OADE BROTHERS AUDIO (7 pin to SPDIF) Digi I/O adapter (for digital connection to portable SONY D3/7/8/100/M1 DAT) 1 Battery Pack, 12V CASCADE MEDIA Pro Digital PDDMINIMEHD (for Mini-Me) 1 Battery charger and power supply 1 GRAVIS Prime transport pack		
<i>option:</i> SENNHEISER HD280 head phones		
	\$8	\$32
MOBILE KIT 3		
TASCAM DA-P1 DAT Recorder	Day	Week
	\$30	\$120
Professional portable DAT recorder with 2 XLR mic inputs and 48V power supply, 2 analog I/O, SPDIF I/O, 16bit - 44/48Khz AD/DA converter		
1 Battery charger and power supply 1 Extra battery 2 XLR MOGAMI Neglex star quad cable (25') 1 PORTABRACE transport bag		
<i>option:</i> SENNHEISER HD280 head phones		
	\$8	\$32
MOBILE KIT 4		
SOUND DEVICES 302 Mixer	Day	Week
	\$30	\$120
Portable mixer with 3 XLR line/mic inputs with 48V phantom power, 2 line/tape outputs, M/S matrix, slate mic / tone oscillator, vu meter with a selection of 2 ballistics, limiter, pan pots and switchable high-pass filters on each input, works with 3 AA batteries		
2 XLR MOGAMI Neglex star quad cables (25') 1 PORTABRACE transport bag		
<i>option:</i> SENNHEISER HD280 head phones		
	\$8	\$32
PORTABLE STEREO MICROPHONE		
CROWN SASS-P MK II Microphone	Day	Week
	\$30	\$120
CROWN, SASS-P MKII, Stereo ambient microphone Using PZM technology		



Post-production Work Stations

Video / DVD Editing Station			
	Hour	Day	Week
FINAL CUT Studio 2	\$30	\$180	\$720
1024 MB RAM, 264 GB HD CD / DVD burner - PIONEER DVD RW DVR-104 20" SONY VGA monitor 19" SONY NTSC monitor SONY DV-DVCAM DSR45 deck MACKIE 1402 VLZ Console and HR624 monitor speakers S-VHS deck SONY MDR-V600 Headphones DVD Studio Pro 1.5.X Final Cut Pro HD ADOBE After-effects 6			

Graphic Station			
	Hour	Day	Week
MAC G4 / 1Ghz dual processeur	\$20	\$120	\$480
512 MB RAM, 264 GB HD CD / DVD burner - PIONEER DVD RW DVR-104 20" SONY VGA monitor MICROTEK 9800XL tabloid Scanner 12" X17" MINOLTA DIMAGE ELITE II sldie Scanner			

Audio Editing Station			
	Hour	Day	Week
MAC PowerBook G4 with DIGIDESIGN DIGI 002 Console	\$20	\$120	\$480
DIGIDESIGN - DIGI 002, FIREWIRE -A desktop audio production system using Pro Tools LE 7.3 Digital audio interface with 8 analog I/O, 4 mic inputs, SPDIF I/O and 8 ADAT Lightpipe I/O, 24bit - 96Khz AD/DA converter. Acts like a tactile surface contol for Pro Tools with 8 motorized faders and 8 rotary encoders. Plugins: WAVES PLATINUM Native Bundle			
MAC POWERBOOK G4 1 GHz / 512Ram / 60GB / Combo Drive 1 SPDIF APOGEE Wide Eye cables (6') 2 XLR MOGAMI Neglex star quad cables (35')			Pro Tools LE 7.3
<i>Option: MACKIE HR 824 THX monitor speakers</i>	-	\$45	\$180
<i>Option: NORD LEAD 3 virtual analog synthesizer</i>	-	\$80	\$320

Streaming Encoder			
	Hour	Day	Week
MAC G4 /1Ghz dual processeur	\$15	\$90	\$360
768 MB RAM / 160 GB HD 20" SONY VGA monitor CD / DVD burner - PIONEER DVD RW DVR-104 Live Channel Pro 1.4.2 Quick Time Pro 6 Quick Time Broadcaster 1.0			



Peripherals

	Hour	Day	Week	
MICROTEK 9800XL tabloid scanner 12" X17"	\$10	\$60	\$240	**
MINOLTA DiMAGE ELITE II 35mm slide scanner	\$10	\$60	\$240	**
LaCie 12X (FW) CD bruner	\$7	-	-	**
CAMBRIDGE DVD 300 - DVD player	-	\$20	\$80	
22" DELL LCD Monitor	-	\$15	\$60	**
27" DELL LCD Monitor	-	\$20	\$80	**
14" SONY Studio Monitor	-	\$50	\$200	**

Other resources

Superwhite seamless paper 9' X 28' (for limbo floor)	\$70
Blue Seamless Croma paper 9' X 36'	\$160
Green Seamless Croma paper 9' X 36'	\$160
Camera tape (roll)	\$20

	Hour
Technical assistance	\$35

Video and Multi-media Projectors

1 NEC LT260k DLP	Day	Week
	\$100	\$400
<p>DLP Projector 2400 ANSI lumens 1900 ANSI lumens (Econo-mode) USB, Memory Stick, 3 types of input Portable with transport bag 2.9 Kgs</p> <p>Contrast level 1600:1 noise level: standard mode < 32 db econo-mode < 29 db 1024 X 768 native pixels PAL / NTSC / SECAM</p>		

2 SANYO PLC-SU20N	Day	Week
	\$75	\$300
LCD projector 1200 lumens, NTSC, NTSC/4.43, SECAM, PAL, Only 3.7 kg		

1 SONY VPL CX3	Day	Week
	50 \$	200 \$
<p>LCD projector 900 lumens, PAL / NTSC USB, Memory Stick, 3 input types Portable with transport bag (only 2,5 kg)</p>		

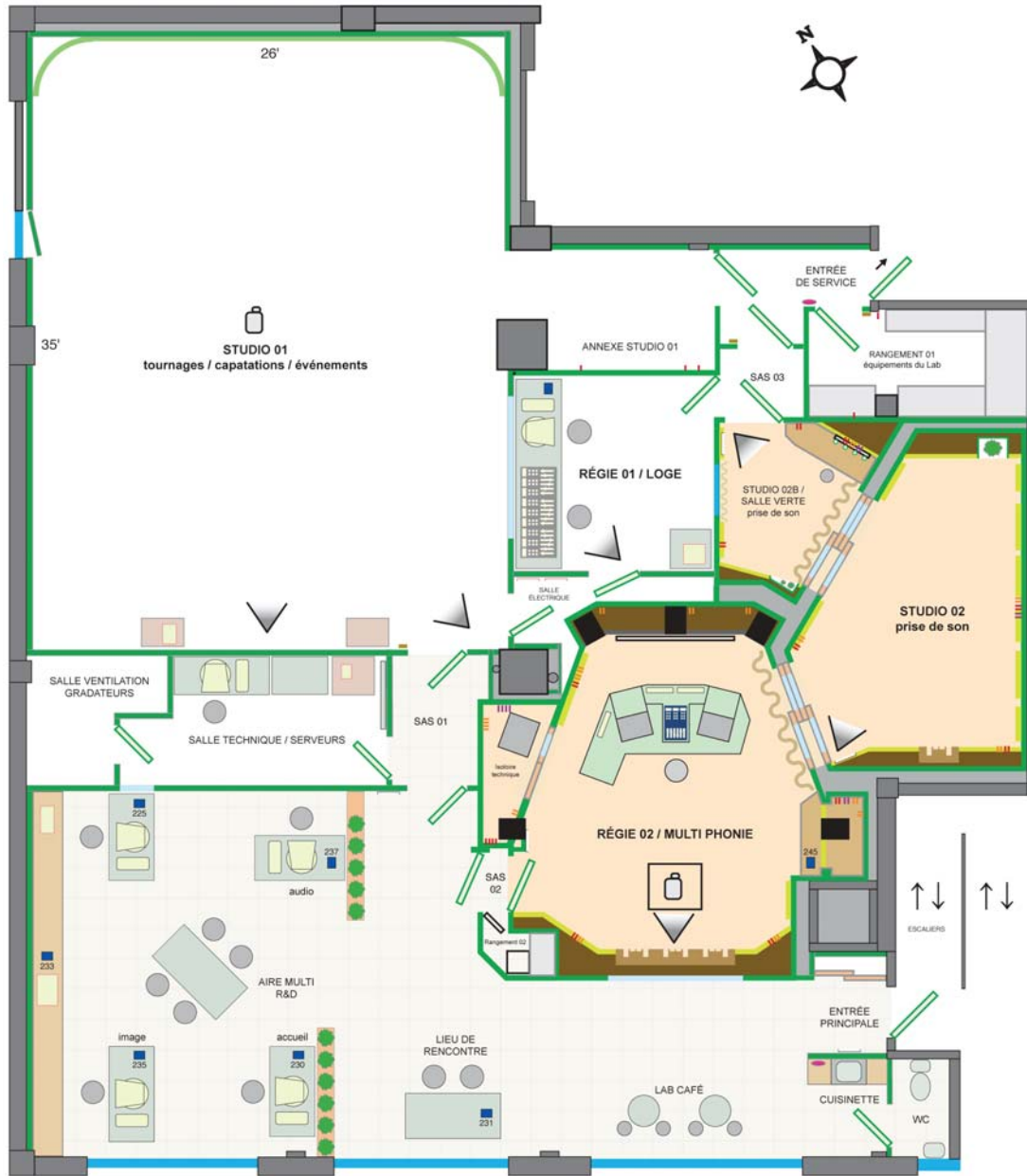
** These pieces of equipment are only available on site

Day = 24 hours (except for rental of studio 1)

GST and provincial tax apply



Plan of New Media Lab



A, B, C, D, E, F, see the photos



A Few Views of the Lab



Studio 1, View of the limbo and the lighting grid < A >



Studio 1, Sliding curtains in front of the limbo> < B >



Control room looking into studio 1 < C >



Surround Sound Audio Suite < D >



Studio 2 (Recording Studio) < E >



Green Room (Recording Studio and Make-up Room)> < F >