

# HARD ROCK *café*, VANCOUVER

A 50,000 point fibre optic starfield emulation was designed and installed over the main restaurant area and staircase. Fibre optic was installed in glass block and stair stringers and 600' of Duralite in dome recesses for dusk ambient effect.

A JBL Array Series sound system was installed using ATM flyware, JBL Architectural 2x18" subwoofers and JBL Digital processors. Tannoy ceiling speakers and JBL Control Series speakers were supplied for background. QSC amplifiers, Rane Dynamics processing, Mackie mixers and Sabine Feedback Eliminators compliment the system.

Two Dottronix 3x3 Video walls, Zenith 52", 32" and 25" televisions, JVC VCR's and Sony Laser Disc players were used for video playback. An AMX remote control system handles automated video and screen functions.



## EQUIPMENT LIST

### VIDEO:

- NS sw4-armx
- Sony Laser Disc Players
- Dottronix 3x3 Video Walls
- Imagemag Dynamic Processor
- Zenith 52" Rear Projection TV
- Zenith 25" Television
- 32" Zenith Television
- Optikinetics Projector
- AMX LCD Tilt Screen
- AMX Accessory Rack Mount 1H
- AMX Programming
- AMX Accent 2 Control System
- AMX Relay
- JVC VCR

### LIGHTING:

- Optikinetics Effect Wheel
- Optikinetics ½ RPM Rotator
- Pink Duralite Lighting
- .50mm Fibre Optic Cable Point SO
- .75mm Fibre Optic Cable Point SOU
- 1mm Fibre Optic Cable Point SOUR
- Cablelite Side Lit Fibre
- 75 Watt Fibre Optic Illuminator
- Martin Robocolor Illuminator
- Phillips MSD200 Discharge Lamps
- Yorkville Dimmer Bar
- Yorkville Light-Controller

### AUDIO:

- Yamaha Amplifiers
- Tannoy NS Ceiling Speakers
- Tannoy NS Studio Monitors
- Hammond 20SP Metal Rack
- Symetrix 572 Level Computer
- JBL Array Speakers
- Architectural Dual 18" Subwoofers
- JBL Digital Processor
- Rane Xover-ST 2-way
- Mackie Mixers
- Sabine Feedback Eliminator
- Shure Microphones
- Rane Equalizers
- Ashly Dual Third Octave Equalizer
- ATM Flyware
- QSC Amplifiers

## SCOPE OF WORK

### On SITE: AUDIO

- Program digital processors
- Install, mount, terminate, dress and install all speaker and electronic components
- Install ATM flyware, hang and focus
- Install ceiling speakers
- Install, terminate, dress and test all equipment in racks that are on site
- Terminate all electronic equipment to supplied A/C locations
- Install and test microphone locations
- Consult and schedule with sub-trades
- Label
- Deliver all equipment to site
- Complete system check, equalize and gain set
- Train staff in use of the system

### SHOP Preparation: AUDIO

- Install ceiling speakers in boxes and assemble
- Install equipment, wire and test racks for site installation
- Prepare background speakers with wall brackets
- Prepare non rack mounted equipment with mounting brackets
- Test all equipment and components
- Write documentation and assemble literature

### On SITE & SHOP Preparation: VIDEO

- Design custom monitor brackets
- Install, mount, terminate, dress and test televisions and components
- Mount all hardware
- Test and check all video equipment
- Label
- Train staff in use of the system

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- Write documentation and assemble literature
- Program automation
- Install and configure video wall
- Install and program AMX control systems

### On SITE: LIGHTING

- Install, mount, terminate, dress and test all fixtures and bars
- Mount all truss and support hardware
- Install and test all lighting control locations
- Designed and installed a 50,000 point fibre optic starfield emulation
- Installed fibre optic inside glass block walls and stair stringers
- Installed 600' of Duralite in dome recesses for "Dusk" Ambient effect
- Installation of discharge Dichroic Fibre Optic Illuminators