



ANVIL CENTRE
NEW WESTMINSTER

Anvil Theatre

Technical Information

Seating

Anvil Theatre has a variable seating configuration system. This allows for 4 different seating configurations:

- Full Seating, gives a standard theatre style seating array that can accommodate 361 patrons, including Balcony.
- Half seating, gives a standard theatre style seating array at half the depth of the Full seating, can accommodate 201 Patrons, including Balcony.
- Thrust Seating, uses the Half Seating main riser with 2 additional risers that extend from the sides of the house, can accommodate 323 Patrons, including the Balcony.
- Open Floor, All seating risers are retracted, opening the floor for banquet/ reception/ small trades show setups.
- Balcony alone can accommodate 48 Patrons with 3 disabled access seats

Stage

- End cut douglas fir
- Variable Proscenium width:
 - Smallest Opening 29'4"
 - Standard Opening 45'4"
 - Largest Opening 61'7" (Main drape hangs 4' onstage in this configuration)
- Proscenium height: 18'8" (measured to underside of acoustic panels)
- Width of stage: 68' US, 72' DS (including wing space)
- Wing Depths (Measured from edge of Proscenium at standard opening to offstage wall)
- SR wing width: 11'11"
- SL wing width: 17'6" at Proscenium
 - 12'8" Upstage
- Depth from Proscenium to:
 - Mid Stage Traveler 9'9"
 - Up Stage Traveler 25'6"
- Theatre floor is same height across entire room; there is no elevated stage
- 4 UltraStage 4'x8' Stage Decks, Height adjustable between 16" to 24"
- Rosco Adagio Tour Dance Floor, 50' x 5.5" (Five rolls)
- Cross over access USL & USR to dressing rooms

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- Stage surface may not be altered or attached to

Dressing Rooms/ Green Room

- Located SR via stage cross over, 2 Small, 1 Med, and 1 Green room.
 - 1 Large Chorus room (Level 4, 1 level up from theatre access through BOH stairwell)
- One Washroom with toilet and sink, & shower
- Two 3-person dressing rooms with private Washrooms & Shower
- One 8-person dressing room
- One 15-person Chorus Room (Level 4)
- All dressing rooms are equipped with mirrors and make-up lights, & electrical outlets at each mirror
- Dressing Rooms are Equipped with Program Sound Feed
- Max Capacity:
 - Small Rooms 3 Persons each
 - Medium Room 8 Persons
 - Green Room 10 Persons
 - Chorus Room 15 Persons

Loading

- Stage: Large truck loading off Begbie Street
 - With leveling ramp
- Truck access: 45' long by 15'6" wide
- Loading dock: 34'6" long by 12'9" wide
- Loading Bay roll up door: 13'10" high by 14'6" wide
 - Limitations due to sidewalk and street grade
- No ramp at this loading dock
- Interior loading door: 9'10" high by 7'8" wide
 - -90 degrees to loading dock
- Stage Loading door: 9'10" high by 7'9" wide
 - 90 degrees to interior loading bay door
- Ramp access from Alexander St. small loading bay

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Rigging

- 4 Motorized ETC Prodigy V1000S Line sets
 - ETC Foundation rigging controller
 - Batten Length 52'0"
 - 3 available battens not in house hang
 - 1200lb total capacity (including batten weight)
- Grid – Joel Theatrical Tension Grid
 - Height from deck to underside: 20'10"
 - Max Live Load/ Grid Panel: 400lbs
 - Max Live Load/ Pipe Batten: 25lbs/ft
 - Max Concentrated Live Load/ Pipe Batten: 200lbs
- High Steel Beams
 - 5 beams total, every 10' from centre out
 - Height from stage to beam: 27'11"
 - Max Live Load/ Rigging Beam: 50lbs/ linear foot
 - Max Concentrated Live Load: 500lbs
 - Recommend beam clamps for rigging to high steel as some areas have limited access
- Note: All rigging is subject to the approval of the Technical Director. Authorized Anvil Theatre staff must operate all flies

Drapes

- All Drapes are KM Prestige IFR Treated
- Main Drape is Regal Red (dead hung - opens at centre stage with a hand pull SL)
- 2 Black travelers (Dead hung, operated from SL)
 - Midstage and Upstage Traveler
- 3 sets of legs (Dead hung, adjustable stage width on each)
- Soft Cyclorama (Dead hung off high steel)
- Black Shark Tooth Scrim 21'0" High by 53'0" Wide Hung/ Stored on LS #1 DS of Cyc LX

Audio System

Console

- Yamaha QL1 Console
 - 32 mono + 8 Stereo Input Mixing Channels
 - 16 Mix Buses
 - 8 Matrices (Input to Matrix supported)
 - 16 Analog Inputs
 - 8 Analog Outputs
 - Dante I/O

Main PA

- d&b xS-Series (Front Fill)
 - 2x 12S & 12-D loudspeakers per side
 - 1x 12S loudspeaker centre
- d&b Y-Series (Sub Cabinets)
 - 4x Yi Subwoofers in horizontal configuration
- d&b xS- Series (Delays and Fills)
 - 8x 8S loudspeakers for balcony delay
 - 4x 8S loudspeakers for thrust fill

Monitors

- 4x EAW RSX12M 2-Way Self Powered Stage Monitors (Dante)
- 6x JBL PRX712M Powered Monitor Speakers
- 2x 12S d&b xS-Series loudspeakers (Stage Fill) flown

Equipment

- 2 JBL LSR308 Control Room Speakers
- Yamaha Rio3224-D (Patchable SL & SR)
 - 32 Mic Line Inputs
 - 16 Mic Line Outputs
 - Dante I/O
- Tascam CD-500B CD player

Microphones

- 8 Shure SM 58 (2 switched)
- 4 Shure SM 57
- 1 Shure Beta 52
- 3 Shure PG56 (w/ drum mounts)
- 4 Shure SM94
- 2 AKG C430 Condensers



- 2 Sennheiser E906 Instrument Mics
- 4 Audio Technica ES935ML6 Microphones
- 4 Radial JDI DI Box
- 1 Radial JDI Duplex DI Box
- 2 Radial JPC Stereo Computer DI Box
- Assorted Microphone (XLR), and Snake Cables
- Assorted Microphone Stands
- -1 Audio Technica AT8015 Shotgun Line Gradient Condenser (used for Program Sound)

Wireless

- 1 Shure ULX Dual Channel Wireless & - 1 Shure ULX Quad Channel Wireless
 - 6 Shure ULXD2 58 Handheld
 - 6 Shure ULXD1 Belt Pack w/ Cardioid TQC Lavalier
 - 2 Embrace Omni Earmounts Mic
 - Dante I/O

Playback

- QLab *Audio & Video* installed on Mac Mini Desktop Computer (Available upon request)

Listen Assist System

- Listen LT-800 FM transmitter
- 14 LA-165 Stereo Headsets
- 4 LA-166 Neck loops
- LR-500-072 FM Receivers

- Note: All instruments and audio equipment by client must include relevant connection cables (i.e. guitar patch cables)

Communications

- 3 Channel Pro Intercom MS301 Base station
- 6 Pro Intercom BP1 Belt packs
- 8 Pro Intercom SMH310 Single Ear Headsets

Acoustic Baffles

- AcoustiCorp Baffle System
 - Acoutrol Symphony Control System
 - Drapes Run above Grid at Proscenium and up and down stage in house at sides of grid
 - 21 Deployable Fabric Panels around Balcony Level



Lighting System

Console

- ETC Ion XE 2k w/ 2 NEC MultiSync Touch Screens
 - Console Running Eos Software Version 3.1
- 2 ETC Universal Fader Wing 2x10
- ETC Net 3 Radio Focus Remote
- ETC Ion Remote Video Interface w/ 2 NEC MultiSync Touch Screen
- ETC Net3 Network
- 6 ETC DMX One Port Gateways

Dimmers

- 3 ETC Sensor 3, 96 Racks
 - D20E Dimmer Cards
- 2 ETC Architectural, 24 Racks
 - D20E Dimmer Cards
 - Paradigm Architectural Control Processor
- ETC Smart Switch Relay rack

House Hang Includes

- 10 Area, ETC Source 4 575W o/w Front washes
- 16 ETC Selador Desire D60 LED Top Color Wash
 - Various Lenses
- 6 ETC Source 4 LED Lustr+ Gobo Breakups
- 8 ETC Source 4 575W Gobo Breakups
- 4 ETC Source 4 575W Side Wash
- 20 ETC Selador Vivid-R LED Cyc Lights
 - Various Lenses
- 50 ETC Source 4 575W Specials
 - Various Source Four Barrels to select from (10 degree to 90 degree, not including 14 degree, including 26 degree EDLT)
- 2 HES Solaframe Studio Profile Spotlights
- 35 ETC Source 4 Pars (House Lights)
- 2 Rosco I-Cue Intelligent Mirrors attached to 2 ETC Source 4 LED Lustr+
- Follow Spot - 1 Robert Juliet "Lucy" 1200W Spot
 - Operators are an additional cost
- Any changes to House Hang to be approved by the Technical Director prior to the contract and restored prior to the end of contract time.

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Video Projection System

Projection

- Barco F80-4K12
 - 12,000 Lumens, 4K UHD, DLP Laser Phosphor
 - Contrast Ratio: 1,200:1 P7 Real Color
 - Aspect Ratio: 17:10 Native
 - Resolution: 3,840 x 2,400 (4K UHD) / 2,716 x 1,600 (WQXGA+)
- Projector Lens: Barco GLD 2.12-3.18 : 1
- Distances to Screen: 50'
- VGA & HDMI inputs from Stage Left, Stage Right, & Control Booth
- Projector Mounted to a Draper SLX 10 Scissor Lift (Drops projector into show position)

Screen

- Da-Lite Tensioned Large Cosmopolitan Electrol Screen
 - 220" Diagonal Size
 - HD Progressive 1.3 Surface

Video

- Roland VR-4HD HD AV Switcher/Mixer
- Sharp 43" Comfort Monitor on 2' Chief Monitor Cart
- 1 DSAN Perfect Cue Mini – Transmitter
- QLab installed on Mac Mini Desktop Computer (Available upon request)

Video Streaming

- HS1600T Mark II Video Switcher and Camera Control
 - 3 Inputs for PTZ Camera's
 - 1 Input for external presentations
- 3 PRZ Cameras
 - 2x PTC 140T Located on HL and HR Balcony
 - 1x PTC 150T Located at Centre above seating
- Streaming run Via OBS to the platform of client's choice

Power

- Daily amperage use are separate charges
- 400 Amp Three Phase Company Switch, located USL at stage height
- 100 Amp Three Phase Company Switch, located USL at stage height
- 100 Amp Three Phase Company Switch, located DSR in tension grid
- Assorted 15 Amp circuits onstage and in the grid



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Grand Piano

- Yamaha C5X Grand Piano (6'7") in Polished Ebony (*rental and tuning fee*)
 - Adjustable bench
 - Dimensions (W x H x D): 149 x 101 x 200 cm (59" x 40" x 6'7")
 - Weight: 350 kg (770 lbs)

If you have any questions concerning the technical information and inventory list please contact:

Co-Technical Directors:

- Stephen Jackson: sjackson@anvilcentre.ca or 604.636.4448 ext.6116
- Shawn Sorensen: ssorensen@anvilcentre.ca or 604.636.4448 ext. 6114

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