



CHEMINUS THEATRE FESTIVAL

**TECHNICAL INFORMATION
MARCH 2024**

Seating Capacity:

278 fixed seats – arranged in semi-thrust in 3 sections on a 30 degree incline. Stage deck elevated 2 feet above first row. Two main entrances into house seating area located at the lowest level (House Right) and the highest level (House Right). Wheelchair patrons are able to use either level to enter and exit theatre. 4 Emergency exits including 2 house right and 2 back of house.

Loading:

Stage Door/Load-In Entrance located beside the theatre – it is a ground level entrance to the backstage area.

Door #1 7’10” (h) x 7’8” (w) roll-up garage door at initial entrance to loading bay.

Door #2 + #3 8’ (h) x 6’ (w) swinging doors, separating fire doors leading from loading bay. Doors do not impede overall width of entrance.

Two entrances to theatre area:

Entrance #1 (to stage level) 3 steps up – approx. 24” rise to Door #4 – 8’(h) x 10’(w).

Entrance #2 (to sub floor level) no steps – Door #5 – 7’(h) x 6’(w)

Stage:

Semi-thrust, black box/amphitheater configuration. Structural walls along three sides of the performance area. At the mid point of the stage, the deck opens up wider as it thrusts into the house. Modular stage upon sprung sub-floor. Please note, there is a 6 inch water pipe and access ladder to the grid in the up stage left corner. Please contact TD for specifics.

Onstage Dimensions

Depth:	Maximum downstage to downstage edge of Unistrut:	25’7”
	US unistrut to beginning of thrust:	10’10”
	Beginning of thrust to downstage edge:	13’9”
Width:	Upstage wall:	32’
	Maximum width at 14’ from upstage wall:	36’2”
	Downstage apron:	17’6”
Height:	All measurement taken from modular stage – from sub floor add 2’.	
	To Lowest Point in Catwalk	16’7”
	Maximum Set Build Height	16’6”
	To superstructure:	26’ 1”
	To structural ceiling:	28’ 5”

Deck: Modular stage of extruded aluminum framing in 4’x6’ segments, roto-locked together, pedestal support legs interlocking all corners – additional support added as needed. Live load rating of 125 psf (610kg/sq meter). Current configuration has deck elevated 2’ above sub-floor. Reconfiguration of entire structure possible with due notice.

Subfloor: Wood joist framing with double layer of plywood, inherent sprung nature to floor. Sub-floor contains trap into basement located roughly 15’ from the upstage wall – approximately 4’x8’ in dimension. Approval must be obtained to use the trap before any consideration of the trap’s usage will be considered.

Backstage:

Wing Space: Located upstage on both sides of the stage. Maximum height with modular stage is 7’ with a width of 7’5” on SL, 9’9” on SR. Wing space is level with onstage deck height. German masking provided to cover full entrance.

Storage Space: Limited storage space level with main deck. Additional storage located in the facility not at deck height.

Dressing/Change Rooms:

There are two separate sets of dressing rooms located at either side of the backstage area. One is suitable for a ‘Chorus’ style arrangement with large counter space and mirrors with incandescent lighting around the mirror and 15 amp plug at each seat – Space for 10+ persons. It is located under the seating area with access from the Stage Right wing.

This area is comprised of:

(2) dressing rooms approx. 14’ x 10’ with lockable storage in each room.

(2) Full washrooms (male and female specific) including shower stalls in each washroom.

The second dressing room area is comprised of 2 separate rooms located directly off of the Stage Left wing. Complete with 15 amp power at each station and mirrors with fluorescent lighting in each room.

Dressing room #1 – suitable for 4 persons.

Dressing room #2 – suitable for 3 persons.

There is a small single washroom with toilet available in this area.

Green Room: There are 2 areas designated as Green Rooms, one is located in the backstage crossover complete with small kitchenette and CCTV. The second is located in the Chorus area containing program sound and a refrigerator.

Draperies:

Stage Drapes: (2) 16'w X 18'h Half Traveler - Black Velour -100% fullness
(2) 16'w X 17'h Half Traveler - Red Velour -100% fullness
(2) 8' 4"w X 18'h Leg - Black Velour
(2) 4' w X 17'h Leg - Black Velour
(1) 31'w X 18'h Cyclorama – White cotton
(1) 30'w X 17'h Scrim - Black sharktooth Grommets & tie lines top, pipe pocket bottom, 1" hem sides
(1) 32'w X 3'h Border - Black Velour
(1) 32'w X 2'h Border - Black Velour
(2) 8'w X 10'h Black
(1) 13' 6"w X 8'h Black Velour
(1) 13' 6"w X 7' 6"h Black Velour

Wardrobe:

Facilities located on site with washing machine, dryer, steam iron and minor repair.

Major repair and maintenance facilities available at offsite production center.

Equipment: (2) Commercial Washing machines
(2) Commercial Dryers
(1) Steamer
(1) Sewing Machine

Rigging:

Spot line rigging available, small system rigging possible – please confer with Technical Director prior to any rigging decisions.

Lighting:

There is no pre-focused, pre-hung lighting house plot. Lighting is arranged on a fixed grid, catwalk system with additional structure added as needed. There are additional (boom) lighting positions on the extreme sides of the theatre. Please see plot for details.

Control: Control booth located in the back of the house on center with an unobstructed view of the stage and elevated above the back row of seating.

Control System: (1)ETC Ion XE with 20x Fader wing and 2 screen display

Secondary Control system:
(1) ETC nomad dongle

Dimmers: ETC Sensor system
(154) ETC D15E 1800W dimmers
(6) ETC D20E 2400W dimmers
(3) ETC R15AF Non-dim power supply units
(18) Available slots – available on rental
House Lights are not a part of Dimmer system – but DMX controlled.

Patching: System is arranged dimmer per circuit – all circuits and fixtures are 15 Amp U-ground connectors.

Mainstage Lighting Inventory:

Source 4 bodies:
(47) ETC Source Four Bodies 575W
(6) ETC Source Four LED Lustr Bodies
(12) ETC Source Four LED Colorsources Deep Blue Bodies

Source 4 Barrels:
(22) 50 deg. Source Four Barrels
(28) 36 deg. Source Four Barrels

- (13) 26 deg. Source Four Barrels
- (2) 50 deg. Source Four EDLT Barrels
- (2) 36 deg. Source Four EDLT Barrels
- (2) 26 deg. Source Four EDLT Barrels
- (2) 19 deg. Source Four EDLT Barrels
- Fresnels*
 - (14) ETC LED Colorsource V Fresnels
- Zooms*
 - (2) Selecon Pacific Zoom 45-75 deg
 - (7) ALTMAN Mini Zooms 25-50
- Fixed*
 - (4) COLORTRAN -Berkey Mini-Ellipse 30-40-50
 - (6) STRAND 2212 - 6X12 - 26 deg.
- PARs*
 - (13) Altman Par 64's
 - (4) Par 16
- CYC*
 - (15) Selcon HUI single cell Cyc Fixtures
 - (6) ETC Colorsource Cyc units

Lighting Stands:

- (2) MATTHEWS Std Combo 3XR Hollywood Combo – Triple Riser

Legacy lighting Equipment: *Please consult with TD if required*

- ~~(30) STRAND 3380 6" Fresnels 1KW~~
- ~~(8) ALTMAN 6" Fresnels 16-70 deg. 500W~~
- (8) 6" Top Hat Style Barndoors
- (11) 6" Low Profile Barndoors
- (1) Rosco I-cue moving mirror
- (1) Apollo Smart Move gobo rotators
- ~~(5) STRAND Coda 3 Cyc lights~~

Lighting Accessories :

- (2) 10" Barndoors
- (14) Colorsource fresnel barndoors
- (22) Source 4 gobo holder A size
- (6) Source 4 gobo holder B size
- (1) Universal Iris Holder
- (6) Berkey gobo holder
- (6) extruded drop slot gobo holder B size
- (14) Rosco sandwich style gobo holder B size
- (2) Iris - Source 4
- (2) Iris - Strand 2240
- (4) 7 1/2" short barrel top hats

Lighting Effects:

- (4) Rosco I-cue moving mirror
- (2) Chroma-Q 8 way power supply for I-cues
- (1) RC4 4 ch wireless dimmer 12V 60W/Ch
- (2) RC4 4 ch wireless dimmer 12V 120W/ch
- (1) DHA Varispeed effects wheel - 6 1/4" frame (Source 4)
- (1) Apollo Smart Move gobo rotators
- (4) Apollo DMX Iris
- (2) 12" Mirror Ball with motor
- (1) 20" Mirror Ball with motor
- (1) Ultratec Radiance Hazer w/DMX interface*
- ~~(1) Rosco Alpha 900 Smoke Machine*~~

*Please consult with TD or PM if you would like to use atmospheric effects

Audio:

The Sound system is on separate power from the lighting system with its own isolated ground. There are additional isolated ground circuits throughout the facility – denoted with an orange receptacle.

- Control: Live mix located in house right in open control booth
Qlab / Playback located in the control room located at the back of the house with lighting control.
- Console: **Playbill Dining room:** Allen and Heath Q-Pac
Inputs: 16 Mono / 3 Stereo
Expandable to 32 Mono / 3 Stereo
Mixes: 4 Mono / 4 Stereo / LR
Expandable to 4 Mono / 7 Stereo / LR
Matrix: 2 Stereo

32x32 USB Audio Interface

Theatre FOH: Allen and Heath SQ6
Allen and Heath Qu-24 (FOH console for live mixing)
96kHz FPGA processing
48 Input Channels
25 Faders / 6 Layers
12 Stereo mixes + LR
3 Stereo Matrix
8 Stereo FX Engines + dedicated returns
7" capacitive touchscreen
S-link port for remote audio / expansion
64ch I/O Port for audio networking
32x32 USB audio interface
SQ-Drive direct recording to USB
AES output
16 Assignable Soft Keys
4 Assignable Soft Rotaries
Channel LCD displays

AR2412 24X12 S-Link stage box 48khz
AB168 16X8 S-Link Stage Box 48Khz

Speakers: Fixed speakers arranged in full surround.
(10) Renkus-Heinz CFX81. 2 Way full range loudspeaker 8"(LF) x 1"(HF) at 200W.
(8) Renkus-Heinz CFX61. 2 Way full range loudspeaker 6"(LF) and 1"(HF) at 120W.
(1) Renkus-Heinz CFX-18S Single 18" Woofer – Low pass filter 900W.

Powered Speakers:
(4) Yorkville NX10C-2 10" / 1" 500 Watt powered monitor
(2) Yorkville PS12P 12" / 1" 1400 Watt powered speaker

Amplification:
(5) QSC CX404 Amplifiers – 4 channels of amplification each.
(1) QSC RMX1450 Sub Amplifier

Media Play/Rec: Qlab V 5 sound and video playback software
iMac Pro
Designer remote/ Back-up computer: Macbook Pro
Rehearsal Hall for pre-programming: Mac mini
Zoom Recording Mic

Microphones: Wireless:
Receivers
Audio Technica Wireless Base station
7@ATW-R3100b (I Band)
4@ATW-R3100b (D Band)
7@ATW-R3100b (C Band)
5@ATW-R3210 (DE2 Band)

Transmitters
Audio Technica Wireless Body Pack
7@ATW-T310 (I Band)
4@ATW-T310 (D Band)
7@ATW-T310 (C Band)
5@ATW-T3201 (DE2 Band)

ATW-T341b Cardioid wireless hand held microphone
5@ I Band
4@ D Band

(6) 4 in 1 out Antenna Distribution (ATW-DA49). Makes for 20 channels of distro.

Lavalier Microphones
Asst. Condenser Lavalier Microphone: AT899CW-TH
Asst. Condenser Lavalier Microphone: MT830CW-TH

Instrument Adapters
(4) Right Angle ¼" to belt pack cable

- (2) Straight ¼" to belt pack cable
(Numbers out of date)

Microphones Cont'd

Wired:

- (2) Shure Beta 58
- (3) Shure SM 58
- (4) Shure SM 57
- (2) Shure 55 SH
- (3) Shure 55 Blue
- (2) Apex 205 Ribbon Microphone

Accessories

- (6) Passive Radial DI
- () Assorted Mic stands and booms

Projection:

There are no permanent projectors installed. Projection locations are determined on a show by show basis.

Projectors:

- (1) Panasonic EW-630 LCD Projector
- (1) Short Zoom Lens for Panasonic EW (1.3-1.7:1)
- (2) Epson Power Lite Home Cinema 1040 with ceiling mount

Video:

Additional tech:

Supplemental Power:

- (2) 50 Amp 125/250 V Stove plug outlets – located in dimmer room.

Communication: Hardwired Clearcom system with HME Wireless interface.

- (1) HME DX410 Wireless Intercom main station
- (4) HME Wireless Belt packs with headsets
- (4) Clearcom Wired Belt packs

Program Sound powered via Clearcom to backstage change area, as well as through CCTV located in all backstage areas.

Program sound:

Available in booth, Backstage left and right, Dressing room hallways and greenroom.

Properties:

Various Music Stands
Various Instrument Stands

Pyrotechnics / Weapons and replica firearms:

Any effect involving open flame or combustible material (i.e. cigarette smoking, candles) is considered a pyrotechnic and must follow the Federal Natural Resources guidelines on pyrotechnics in conjunction with municipal by-laws covering their usage. Planned legislation scheduled for June 2008 will prohibit all tobacco smoking indoors – herbal cigarettes do not fall under this prohibition. The Chemainus Theatre Festival has a specific policy regarding any weapons and replica firearms (blank firing or not) – please consult with the Technical Director regarding any of these areas.

Atmospheric Effects:

The use of smoke and/or haze machine(s) need(s) to be approved by the TD/PM before they can be incorporated into a production.