

# THEATER SPECIFICATIONS

## Smoky Mountain Center for the Performing Arts

### AUDITORIUM

House Capacity: 1,495 Seats, plus 8 designated handicap locations: 1503 Total Seats  
Main Floor: Continental Seating of 23 Rows, for 1,018 persons  
Slope from Front to Rear at Deepest Point: 4'-6"  
Range of Seat Sizes: 20" to 23" wide (all 22" or 23" in first 11 rows)  
Balcony: Theater Riser Seating of 7 Rows, for 415 persons  
Rise from Front to Rear Row: 7'-0"  
Range of Seat Sizes: 20" to 23" wide  
Boxes: Owner's Box for 11 persons (all seats 23" wide)  
12 VIP Boxes for 62 persons total (26 main floor and 36 upper floor)  
Range of Seat Sizes: 21" to 22" wide

Distance from Back Row to front of Stage: 80'-0"

### STAGE

Proscenium Dimensions: Width: 54'-10"  
Height: 20'-0"  
Stage Dimensions: Width: 76'-0"  
Height: 45'-0" to Roof Structure  
Depth: 37'-6"  
Apron Dimensions: Width: 54'-0"  
Depth: 8'-0" (at Center point)  
Total Stage Area: 3,075 Square Feet (inclusive of Apron)  
Backstage Dimensions: Depth: 35'-6" (Both Sides)  
Width: 31'-0" (Stage Left) & 16'-0" (Stage Right)  
Stage Playing Area: Width: 49'-0" (with Legs in)  
Depth: 45'-0" approximate (with Cyclorama in)  
Loading Dock Dimensions: Opening: 10'-0"W x 8'-0"H  
(No Loading Dock Elevator) Floor Height: 4'-0" (from Ground Drive)  
Location: East side of building (Stage Right)  
Actors Entrance: West side of building (Stage Left)

### SOFT GOODS

2261 Grey Velour House Curtains  
Legs: Black Velour (8) 8'-0"W x 20'-0"H  
Side Tab: Black Velour (8) 8'-0"W x 10'-0"H  
Borders: Black Velour (6) 65'-0"W x 6'-0"H  
Mid-Travelers: Black Velour (2) 34'-0"W x 20'-0"H  
Rear Travelers: Black Velour (2) 34'-0"W x 20'-0"H  
Scrim: White Sharkstooth (1) 65'-0"W x 20'-0"H  
Black Sharkstooth (1) 65'-0"W x 20'-0"H  
Cyclorama: Natural (1) 65'-0"W x 20'-0"H

### FLY SYSTEM

Combination of Single Purchase Counterweight System & Motorized Rigging (see lineset schedule)  
Fly Battens Available: (31) 65'0" long (see line set schedule for details)  
Height from Floor to Maximum Pipe Height: 37'10"  
Border Trim Height: 20'-0"

### PERFORMER/DRESSING ROOMS

Dressing & Preparation Rooms: Women's Principal: (2) private make-up/dressing rooms with shared toilet/shower  
Men's Principal: (2) private make-up/dressing rooms with shared toilet/shower  
Women's Prep: (8) make-up stations with two sinks, two toilets, & two showers  
Men's Prep: (8) make-up stations with two sinks, two toilets, & two showers

Costume/Clothing Storage:	Women's Principal:	5'-0" of fixed rod in each private room
	Men's Principal:	5'-0" of fixed rod in each private room
	Women's Prep:	13'-6" of fixed rod adjacent to make-up stations
	Men's Prep:	13'-6" of fixed rod adjacent to make-up stations
Greenroom/Meet & Greet:	Refrigerator, Sink, and Coffee Maker (No Toilet Facilities)	

### **PERFORMANCE LIGHTING SYSTEMS**

- a) Strand C21 Dimming System – 112 dimming channels installed/ 2x 2.4kw per channel. Connector Strips on Front Catwalk (28), Apron Catwalk (16), Stage Battens [(54 on lifts) of which 36 are active].
- b) Strand Preset/ Palette 48/96 Console
- c) House instruments:
  - 1) 19 degree Ellipsoidals (40x)/ 6.25" Gel holder/ 2.5"-2.75" (B) GOBO Holder/ 750w HX755 lamp/ cast aluminum
  - 2) 26 degree Ellipsoidals (16x)/ 6.25" Gel holder/ 2.5"-2.75" (B) GOBO Holder/ 750w HX755 lamp/ cast aluminum
  - 3) PAR 64 (88x)/ 1000w mfl lamp/ aluminum
  - 4) Multi Par 4 Light Units (2x)
  - 5) Three Cell Cyclights (3x)
  - 6) These can be arranged anyway the Lighting Director sees fit, with existing dimmer circuits.
- d) Lycian model 1209 Follow spots (4x) Catwalk location
- e) 400amp/ 3 phase company switch
- f) 2fers and cabling/ bulbs/ clamps/ safety cables provided as needed for instruments.

### **AUDIO SYSTEMS**

- a) 64 channel input capability, FoH mixing through a Yamaha PM5D console. Connectivity at four (4) stage locations, in addition to Pit and three (3) floor boxes.
- b) 56 channel ISO split with positions at L/R Proscenium wall plates for monitor mix position, handled by a Yamaha M7 Console. FoH as well as monitor positions can access split via MASS to fan snakes (included).
- c) Sub snakes for microphone extension included (8 x 8 channel, 1 x 16 channel)
- d) Patchbays @ FOH position for flexible channel/ split assignment/ independent of console.
- e) 2x6" Roadshow tubes provided (stage left/ FOH 2x)
- f) Actively processed/ Live Reinforcement/ Surround system, incorporating Meyer M'elodie Line Arrays (L/R), M1D Line Array (C), M1D's(Apron), 700HP(Subs), as well as JBL surround components. This is a full range, Hi End, Performance grade; drive system that meets (exceeds) the majority of criteria needed for this Venue.
- g) A 200amp/ 3 phase Company Switch is provided for dedicated (Audio) use.
- h) A core list of soft goods, including an Aviom personal monitor mix system, 2channels of SHURE, 4 SLX series wireless microphones, 12 direct boxes, 20 wired microphones, required cabling, 40 stands. Exact count on soft goods provided may change.
- i) In house, 2-channel, production Intercom, wired to Catwalk, Stage, Green Room, and Pre-function areas.
- j) ALS System w/ 20 receivers
- k) SLX24/Beta58 Three(3) Wireless Handheld Systems
- l) Tascam-Slot loading CD Recorder(2) & Cassette Combo-MP3 Playback

### **VIDEO SYSTEMS**

- a) MultiMedia Capability:
  - 1) Stewart Filmscreens Luxus Model CB Electrscreen. UltraMatte 130 surface/ 34' 2.5" diagonal/ 1.827 aspect ratio (flat cinema)/ White. Viewing surface – 30' wide x 16.5' High. Screen mounted to Rigging Batten position #6, and will be controlled from video booth.
  - 2) NEC NC1600C Digital Projection System. 4k/ 17000 ANSI DLP. Lift mounted.
  - 3) Edirol V-440HD multi-format mixing system. RGBHV to Projector.
  - 4) Panasonic AW-HE100 remote controlled, High Definition Camera. Single View.
- b) Cinema Capability (all the above, PLUS):
  - 1) Dolby Cinema Show System comprising DSP100 (show player), DSS100 (show store), and related control software.
  - 2) Dolby 3D capability, including related hardware.
- c) Core functionality (System on/off, screen control, etc.) handled by a Crestron, touch panel interface/ control engine.
- d) LG Blu-Ray Disc Player
- e) Pioneer DVD/CD/VIDEO CD Player

## MISCELLANOUS ITEMS

Staging: (14) 4'x4' Versa Deck Black Morocn  
(30) 4'x8' Versa Deck Black Morocn  
(140) 8" Leg Assembly, Fixed  
(140) 16" Leg Assembly, Fixed  
(140) 24" Leg Assembly, Fixed  
(48) 32" Leg Assembly, Fixed  
(48) 40" Leg Assembly, Fixed  
258' Versalite Black Drapery, 8"  
58' Versalite Black Drapery, 16"  
58' Versalite Black Drapery, 24"  
2 Step Stairway with Handrails

Risers: (16) Signature Riser, 3-Step with Rails

Music Stands: (40) Classic 50 Music Stands

Music Stand Light: (30) Music Stand LED Light

## LINESET SCHEDULE

Set #	Description	Distance from Proscenium	Line Capacity	Fabric	Color	Fullness	Size
1	Grand Valance	0'-6"	1561 lbs.	25oz. Velour	2261 Grey	50%	6'-0"H x 65'-0"W
*2*	Main Curtain	1'-2"	1561 lbs.	25oz. Velour	2261 Grey	50%	20'-0"H x 34'-0"W
3	#1 Border	2'-6"	1561 lbs.	21oz. Velour	Black	50%	6'-0"H x 65'-0"W
4	#1 Legs	3'-2"	1561 lbs.	21oz. Velour	Black	50%	20'-0"H x 8'-0"W
5	#1 Elec.-Motorized	4'-6"	2000 lbs.				
6	Projection Screen	5'-10"	1561 lbs.				
7	White Scrim	7'-2"	1561 lbs.	21oz. Velour	Black	50%	6'-0"H x 65'-0"W
8	#2 Border	7'-10"	1561 lbs.	21oz. Velour	Black	50%	20'-0"H x 8'-0"W
9	#2 Legs	8'-6"	1561 lbs.				
10	#2 Elec.-Motorized	9'-10"	2000 lbs.				
11	General Purpose	11'-2"	1561 lbs.				
12	General Purpose	12'-6"	1561 lbs.				
13	#3 Border	13'-2"	1561 lbs.	21oz. Velour	Black	50%	6'-0"H x 65'-0"W
14	Mid-Stage Traveler	13'-10"	1561 lbs.	21oz. Velour	Black	50%	20'-0"H x 34'-0"W
15	#3 Elec.-Motorized	15'-2"	2000 lbs.				
16	General Purpose	16'-6"	1561 lbs.				
17	#4 Border	17'-10"	1561 lbs.	21oz. Velour	Black	50%	6'-0"H x 65'-0"W
18	#3 Legs	18'-6"	1561 lbs.	21oz. Velour	Black	50%	20'-0"H x 8'-0"W
19	#4 Elec.-Motorized	19'-10"	2000 lbs.				
20	Black Scrim	21'-2"	1561 lbs.				
21	General Purpose	21'-10"	1561 lbs.				
22	#5 Border	23'-10"	1561 lbs.	21oz. Velour	Black	50%	6'-0"H x 65'-0"W
23	#4 Legs	24'-6"	1561 lbs.	21oz. Velour	Black	50%	20'-0"H x 8'-0"W
24	#5 Elec.-Motorized	25'-10"	2000 lbs.				
25	General Purpose	27'-10"	1561 lbs.	Sharkstooth	Black	None	20'-0"H x 65'-0"W
26	General Purpose	29'-2"	1561 lbs.				
27	General Purpose	31'-2"	1561 lbs.	21oz. Velour	Black	50%	6'-0"H x 65'-0"W
28	#6 Border	31'-10"	1561 lbs.	21oz. Velour	Black	50%	20'-0"H x 34'-0"W
29	Rear Traveler	33'-2"	1561 lbs.	Sharkstooth	White	None	20'-0"H x 65'-0"W
30	Cyclorama	33'-10"	1561 lbs.	Muslin	Natural	None	20'-0"H x 65'-0"W
31	Stage Left Side Tab		900 lbs.	21oz. Velour	Black	50%	18'-0"H x 8'-0"W
32	Stage Right Side Tab		900 lbs.	21oz. Velour	Black	50%	18'-0"H x 8'-0"W

\* Dead hung set.

## DEADHUNG RIGGING POINTS

18 Dead hung rigging points over stage (3 rows of 6 each) rated for 1 ton

- 1<sup>st</sup> Row 1'-10 1/2" from Proscenium
- 2<sup>nd</sup> Row 11'-10" from Proscenium
- 3<sup>rd</sup> Row 22'-10" from Proscenium