

SOTTILE THEATRE TECHNICAL SPECIFICATIONS

STAGE

STAGE FLOOR

Material: Polyonyx+® Performance Flooring
Color: Black

STAGE DIMENSIONS

Proscenium: 46' 6" W x 26' 11" H
Grid Height: 54'
Stage Deck:
Width: 76' - SR lockrail to SL wall
Depth: 26' 10" - plaster line to USR wall
25' - plaster line to US wall at CL
23' 10-1/2" - plaster line to USL wall
US wall is not parallel to plaster line

Wings:
SL: 17' - plaster line to SL wall
SR: 12' 6" - plaster line to SR lockrail

Apron without Pit Cover:
Width: 47' 6" - at the proscenium arch
Depth: 9' 2-1/2" - from plaster line at CL
4' 8" - from plaster line at SL and SR

Apron plus Pit Cover:
Width: 40' 6" - US width of pit cover
52' 4" - DS width of pit cover
Depth: 20' 3" - from plaster line at CL
17' 5" - from plaster line at SL and SR

ORCHESTRA PIT DIMENSIONS

Length from US to DS Orchestra Pit walls:
At Center: 20' 4"
SR and SL: 17' 6"
Height to stage floor: 8' 1"
Access: 2 US doors from Trap Room

ORCHESTRA PIT LIFT

SERAPID Automated Lift with Rigid Chain Technology
Lift Points: 6
Control Locations: Stage Left Downstage Wing wall panel and Stage Right Pit Cover floor panel
Rated load:
Static: 81,000 lbs
Lifting: 27,000 lbs
Total Travel Distance: 8' 1"
Playing Positions: Orchestra Pit, House Floor, Stage

RIGGING SYSTEM

Type: Single Purchase Counterweight
Lockrail Location: Stage Right Wall
Linesets: 35 - see lineset schedule for detailed information
Batten Length: 60'
Batten Type: 1-1/2" Sch. 40 steel pipe
Arbor Capacity: 1400 lbs

SOFT GOODS

MAIN CURTAIN (two panels)

Type: Guillotine
Color: Burgundy
Material: 26oz Prestige Velour
Size: 41' 6" x 30' (each panel), 100% fullness

VALENCE

Color: Burgundy
Material: 26oz Prestige Velour
Size: 60' x 12', 100% fullness

MASKING CURTAINS

5 Borders: 60' x 8', 22oz Encore Velour, no fullness
4 Legs: 10' x 26', 22oz Encore Velour, no fullness
10 Legs: 10' x 24', 22oz Encore Velour, no fullness

FULL STAGE BLACK

Type: Guillotine
Material: 22oz Encore Velour
Size: 60' x 27', no fullness

CYCLORAMA

Color: White
Material: Muslin
Size: 50' x 30'

SCRIM

Color: Black
Material: Sawtooth weave
Size: 60' x 23' 9"

ADDITIONAL GOODS

4 Stretch Columns
Color: White
Material: Poly-fiber
Size: 25' tall

ADDITIONAL STAGE GOODS

MARLEY FLOOR

Harlequin Cascade Dance Floor
Color: Black
Finish: Matte
Size: Custom cut to fit from US wall to apron (does not extend into wings)
Care: **ABSOLUTELY NO ROSIN PERMITTED ON HOUSE MARLEY**

ORCHESTRA SHELL

Finish: Blonde Wood
Construction: 1 rear wall, 2 side walls, and 3 ceiling panels with light cutouts

ATMOSPHERIC EFFECTS

2 Chauvet DJ Cumulus Low-Lying Fog Machine
1 Look Solutions Viper NT Fog Machine
1 Look Solutions Viper NT Fog Machine

LIGHTING SYSTEMS INFORMATION

REPERTORY PLOT

The Theatre maintains a year-round repertory plot. The Technical Director must approve, IN ADVANCE, any alternative lighting needs or equipment brought in from outside vendors.

CONSOLE & CONTROL

Console: **ETC Gio**

Location: Production Booth at rear of house

COMPANY SWITCHES

1	400A, 3-phase, cam-lock	Location:	Stage Left Jump
1	200A, 3-phase, cam-lock	Location:	Stage Left Ladder Closet
1	100A, 3-phase, cam-lock	Location:	Stage Left Jump
	Miscellaneous 110V Edison	Location:	Offstage and upstage walls

DIMMERS

300 House Dimmers: ETC Sensor3 @ 2.4kW

96 Portable Dimmers: ETC Sensor3 Touring Rack @ 2.4kW

HOUSE LIGHTS

The house lights can be controlled from the light board, a touch panel in the SL wing, or at two preset panels located on the rear wall of the house. Lock out controls possible.

POSITIONS

	1st Catwalk:	13' from proscenium @ 65°
	2nd Catwalk:	26' 2-5/8" from the proscenium @ 47°
	NEW Front Lighting:	105' from proscenium @ ~30°
	Location:	Above balcony seating
2	Box Booms:	Top rung @ 45°, Bottom rung @ 23°
	Location:	HL and HR mounted to 2nd Catwalk
6	Dance Booms:	16' steel frame on casters with adjustable positions
	Location:	SL and SR in first 3 wings

For onstage, overhead lighting positions, see lineset schedule.

LIGHTING INSTRUMENT INVENTORY

ZOOMSPOTS

9 Selecon 23~50° @1kW

ELLIPSOIDALS

102 ETC Source4 ERS @750W with stage pin

8 ETC Source4 Lustr 2 with edison

ELLIPSOIDAL BARRELS

14 10° barrels

6 14° barrels

16 19° barrels

26 26° barrels

15 36° barrels

26 50° barrels

LEDS

ETC Selador Vivid-R with stage pin

20 11" fixtures

30 21" fixtures

7 63" fixtures

FOLLOW SPOTS

2 Robert Juliat Topaze 1200W

Location: HL and HR in balcony spot booths

PARS

15 Altman PAR64

26 ETC Source Four PARnel

AUDIO EQUIPMENT AND SYSTEMS INFORMATION

CONSOLE & CONTROL

- Console: **Midas M32**
 - Location: Production Booth in rear of house
 - Inputs: 40
 - Mix Busses: 25
 - Preamps: 32
- 2 Stagebox: Midas D16
 - Location: SL Wing Audio Rack
 - Inputs: 16
 - Outputs: 8
- Remote Control: M32 Mix mobile app via WiFi

AUDIENCE HEARING ASSISTANCE

- 28 Sennheiser Assistive Listening Headsets (with earbuds and neck loop)

MONITOR/PAGING SYSTEM

Green Room and all dressing rooms are equipped with stage feed and paging monitors. Calls can be made through god mic by audio operator from the production booth.

PRODUCTION COMMUNICATION

- 1 Clear-Com DX200 Wireless Base Station
 - Location: SL Wing Audio Rack
- 1 Clear-Com MS-702 Wired Base Station
 - Location: Production Booth in rear of house
- 2 Wired Clear-Com belt packs
 - Location: Production Booth
- 8 Wireless Clear-Com belt packs
 - Location: Backstage

SPEAKERS

Center:

- 1 KV2 Audio EX15 - 1000W 15" 3-Way Powered Loudspeaker
 - Location: Suspended from 1st catwalk

Stage Mains:

- 2 KV2 Audio ESR 215 3-Way Passive Loudspeaker
 - Location: Left and right of proscenium

Subwoofer:

- 1 KV2 Audio EX 2.2 - 1000W Active Subwoofer
 - Location: Suspended from 1st catwalk

Monitors:

- 4 KV2 Audio ESD-5 2-Way Passive Loudspeaker
 - Location: Suspended from 1st & 3rd LX onstage
- 2 QSC K10.2 2-Way Powered Loudspeaker
 - Location: DSL and DSR in each wing
- 2 JBL JRX212 - 250W 12" 2-Way Passive Loudspeaker
 - Location: Apron DS on either side of CL - ONLY INSTALLED UPON REQUEST

Power Amplifiers:

- 5 Crown XLS 1000 High Density Amp
 - Location: SL Wing Amplifier Rack

PLAYBACK

Clients may use their own devices equipped with a 1/8" jack for playback. Devices without a 1/8" jack will require the client to bring their own converter. Production audio can be shared with audio operator via Spotify, CD, flash drive, email, or Dropbox.

PLAYBACK DEVICES

Sottile has several available playback devices including a Mac Mini, a MacBook Pro, and a Dell Inspiron laptop

PLAYBACK LOCATIONS

Playback can be routed from the Production Booth or the SL wing with ease. If another location is required, advance notice must be given to the Technical Director.

AUDIO ACCESSORY INVENTORY

MICROPHONES

Dynamic:

6	Shure SM57	4	Blue enCORE 100i
4	Shure SM58	1	Shure PGA52

Condenser:

4	Sennheiser E865	2	Violet Wedge
2	Blue enCORE 300	1	Violet Pearl Vocal
1	AKG CGN99 c/s	1	Shure 809
1	AT857AMLa	2	Astatic 901
2	Shure PGA98H	4	Shure MX392/C
2	DPA d:vote 4099	3	Crown PCC-160
1	Blue SPARK SL	2	Shure KSM137 (matched pair)

Wireless Shure QLX-D System:

4	Shure QLXD/SM58 handheld	8	Shure QLXD1 beltpack
4	Shure QLXD/Beta58 handheld		

QLXD1 Wearable Microphones:

8	Shure WL185	2	Countryman H6
2	Avlex HS-48A	4	Countryman E6i
1	Senal UEM-155		

DIRECT BOXES

2	Radial ProAV1	1	Whirlwind Director
2	Radial ProAV2	1	Whirlwind DIRECT JT
2	Radial Stagebug SB-1		

SNAKES

1	Whirlwind Medusa Standard - 12-channel, 8in/4out, XLR, 150'
1	Whirlwind Medusa Standard - 12-channel, 8in/4out, XLR, 50'
3	Whirlwind Medusa Multitrack - 8-channel, XLR, 10'
1	Whirlwind Medusa Multitrack - 8-channel, 1/4" TRS(M) to XLR(F), 10'

MICROPHONE STANDS

3	Straight - Chrome finish
6	Straight - Black finish
4	Tall Boom - Black finish
9	Medium Boom - Black finish
2	Short Boom - Black finish
3	Tripod Tabletop - Chrome finish
1	Desktop - Black finish

FILM, VIDEO, AND PROJECTION EQUIPMENT

PROJECTORS

Christie L2K1500 LCD 2K Projector (15,000 lumens)

Barco F50 5K Projector (5,000 lumens)

SCREENS

Movie Screen: 40' x 20'

Presentation Screen: 17' x 11' (no full stage masking)

PLAYBACK

Video can be played off any device with an HDMI output.

SWITCHER

ATEM Mini Pro HDMI

Roland V-1HD Video Switcher

AV ACCESSORIES

PerfectCue Signaling System

Logitech Laser Presentation Remote

Assorted HDMI Cables

ADDITIONAL EQUIPMENT

FURNITURE

- 1 Acrylic Podium - clear
- 6 8' folding tables - white plastic top; grey metal legs
- 20 Stacking banquet chairs - blue cushions; black metal frame
- 6 Stools (Black)
- 1 Piano Bench (adjustable, black)
- 30 18" seat musician's chair (black plastic)
- 10 16" seat musician's chair (black plastic)
- 18 Music stands (Black)

WARDROBE

- 1 Steamer
- 1 Ironing Board
- 1 Iron
- 1 Washer
- 1 Dryer
- 6 Portable Wardrobe Racks

LOAD IN

- Assorted Hand Tools
 - Assorted Power Tools
 - Assorted Pneumatic Tools
 - 1 Craftsman 30gal Air Compressor
 - 2 Chair Dollies
 - 1 Appliance Dolly
 - 5 Assorted Floor Dollies
 - 2 8' A-Frame Ladders
 - 1 12' A-Frame Ladder
 - 1 16' Fiberglass Extension Ladder
 - 1 24' Metal Extension Ladder
 - 1 Genie AWP-30S Standard Aerial Lift**
- **To be operated by qualified Sottile personnel only**

INSTRUMENTS

- 1 Roland RD-800 Stage Piano with stand

INTERNET & WIFI ACCESS

Internet is accessible throughout the theatre via Wi-Fi. Internet is provided by the College of Charleston, and therefore requires a CofC account to access the secure network; a freely accessible guest network is available with a guest sign-in.

If you need access to the secure Wi-Fi network during your production, the Sottile can provide you with credentials to sign in via the Theatre's guest account.

SOTTILE THEATRE LINESET SCHEDULE

Blue color coded linesets are occupied and cannot be changed

Lineset	Distance From Plaster Line	Descriptions	Capacity (lbs)	Notes	Batten Length	Motor #s
1	1'-6"	Valence	1400	60'W x 12'H	60'	
2	2'-2"	Main Curtain	1400		60'	
3	2'-10"	Movie Screen	1400	Mounted to steel frame. 40' (12.2M) W x 20' (6.1M) H	60'	
4	3'-6"	Legs	1400	10' W x 24' H	60'	
5	4'-2"		1400		60'	
6	4'-10"	Orchestra Shell Ceiling DS	1400		60'	
7	5'-6"		1400		60'	
8	6'-2"	1st Electric	1400		60'	
9	6'-10"		1400		60'	
10	7'-6"	Presentation Screen	1400	17' x 11' - no full stage masking	60'	
11	8'-2"		1400		60'	
12	8'-10"	Border	1400	50' W x 8' H	60'	
13	9'-6"	Legs	1400	10' W x 24' H	60'	
14	10'-2"		1400		60'	
15	10'-10'		1400		60'	
16	11'-6"		1400		60'	
17	12'-2"	2nd Electric	1400		60'	
18	12'-10"	Orchestra Shell Ceiling CS	1400		60'	
19	13'-6'		1400		60'	
20		Blocked by HVAC system	N/A	Blocked by HVAC system	N/A	
21	14'-10"	Border	1400	50' W x 8' H	60'	
22	15'-6"	Legs	1400	10' W x 24' H	60'	
23	16'-2"		1400		60'	
24	16'-10"		1400		60'	
25	17'-6"		1400		60'	
26	18'-2"		1400		60'	
27	18'-10"		1400		60'	
28	19'-6"	3rd Electric	1400		60'	
29	20'-2"	Orchestra Shell Ceiling US	1400		60'	
30	20'-10"		1400		60'	
31	21'-6"	Legs + Border (same pipe)	1400	Border: 50'W x 8'H; Legs: 10'W x 24' H	60'	
32	22'-2"	4th Electric	1400		60'	
33	22'-10"		1400		60'	
34	23'-6"		1400		60'	
35	24'-2"		1400		60'	
36	24'-10"	Cyclorama	1400	50'W x 30'H	60'	

Updated 08/22/2022 by Evie Palmisano

CYCLORAMA	24'10"	36
xxx	24'2"	35
xxx	23'8"	34
xxx	22'10"	33
ELECTRIC 4	22'2"	32
BORDER 3 LEGS 4	21'8"	31
xxx	20'10"	30
SHELL CEILING US	20'2"	29
ELECTRIC 3	19'8"	28
xxx	18'10"	27
xxx	18'2"	26
xxx	17'8"	25
xxx	16'10"	24
xxx	16'2"	23
LEGS 3	15'8"	22
BORDER 2	14'10"	21
xxx	13'8"	19
SHELL CEILING CS	12'10"	18
ELECTRIC 2	12'2"	17
xxx	11'8"	16
xxx	10'10"	15
xxx	10'2"	14
LEGS 2	9'8"	13
BORDER 1	8'10"	12
xxx	8'2"	11
xxx	7'8"	10
PRESENTATION SCREEN	6'10"	9
xxx	5'8"	7
SHELL CEILING DS	4'10"	6
xxx	4'2"	5
LEGS 1	3'8"	4
MOVIE SCREEN	2'10"	3
MAIN CURTAIN	2'2"	2
VALENCE	1'8"	1
Plaster Line	0' x	0

FLY SYSTEM INFO
 Max out bin = 520"
 in bin = 480"
 System pipes are 600" long
 All single purchase
 Operated from stage level
 Max counterweight: 1400lbs/asset

