

Stewart Theatre



Technical Information GUIDE

2022

Talley Student Union
North Carolina State University
2610 Cates Avenue | Raleigh NC

Stewart Theatre Technical Information
Technical Director: David Jones 919.515.3900**I. Loading Dock**

- A. Address: 2610 Cates Ave Raleigh, NC 27695
- B. Door Size 9'-9" wide by 9'-11" high
- C. Location: Cates Ave between Price Music Center and Talley Student Union
- D. Dock Height: 2'6" with hydraulic top-of-dock leveler
- E. One truck, Bus, or small number of cars may park in the loading dock. Space for additional vehicles can be arranged in advance, a short distance from the theatre.

II. Stage**A. Stage Dimension**

- 1. Proscenium Width: there is 39'3-1/2" of floor space between short concrete walls at sides of thrust area. These walls define the proscenium.
- 2. Proscenium Height: 25'6" architectural limit. Border curtain generally between 20' and 23'.
- 3. Main Stage: Width: wall to wall is 92'.
Depth: proscenium to back wall is 28'5",
usable depth is 27'7"
Wings: 14' each.
- 4. Thrust: Depth: 28' in front of proscenium & Grand Drape
Width: 42' half circle
- 5. Floor to grid: 54' with grid access
- 6. Stage Floor: Suspended pine boards with Masonite overlay, painted black

B. Drapery and Masking

- 1. Red velour house curtain on traveler track. Normal opening is 40'. Serves as legs and defines proscenium.
- 2. Black velour traveler, 60' x 30', located 10' upstage of proscenium.

3. Black velour traveler, 60' x 30', located 18' upstage of proscenium.
4. Black velour front border, 60' x 15'. Permanently mounted downstage of house red curtain with zetex backing.
5. Two black velour borders, normally hanging. Upstage is 64' x 15', midstage is 64' x 10'.
6. Two sets 24' x 15' legs. Normally stored.
7. One black border, 64' x 13'. Normally stored.
8. House hanging sequence (DS to US) is border, electric, and legs.

III. Flies

- A. The house has 25 ETC Prodigy lines-sets, 11 open line-sets with 1200# capacity.
- B. Electric battens can be loaded to 1900 lbs. maximum.
- C. Black sharktooth scrim, 50' x 25. Normally stored on line-set #21. Can be moved.
- D. Natural muslin cyc 50' x 24'. Normally stored on line-set #23. Can be moved.
- E. 3 Traveler curtains are hung in rep. They cannot change positions.

IV. Dressing Rooms

- A. Male and female dressing rooms each have 20 mirrors, fluorescent make-up lights, chairs, sinks, showers and toilets.
- B. Two portable 6' clothes racks are available.
- C. The dressing room corridor serves as a downstage cross-over.

V. Electrical

A. Equipment:

1. Lighting control is an ETC Gio @5 (24K outputs) running up to date software with a 2x10 fader ION wing.

2. House Dimmers:

3 ETC Sensor SR48+ dimmer racks, 288 dimmers, 2.4kW
 1 ETC Unison rack for house and work lights
 ETCNet2 network control system

1. Instrument Inventory:

*Note: FOH instruments are not moveable and all unobstructed FOH positions have an instrument in position.

<u>Quant</u>	<u>Type</u>	<u>Model</u>	<u>Size</u>	<u>Wattage</u>
66	FOH only	Source Four	19°	575
28	FOH only	Source Four	10°	575
36	Fresnel	Kliegl	8"	1000
4	Ellipsoidal	Source Four	50°	575
47	Ellipsoidal	Source Four	36°	575
29	Ellipsoidal	Source Four	26°	575
2	Ellipsoidal	Source Four	19°	575
2	Ellipsoidal	Source Four	10°	575
26	Par MFL			1000
4	Scoop	L&E	4"	1000
4	Ianiro Cyc	Century	3 cir.	1500/cir.
24	LED Wash	ETC Paletta	11"	125
7	LED Cyc	ETC Paletta	63"	750
4	Intelligent	SolaFrame	750	
2	Intelligent	SolaFrame	1000	

2. Two Lycian 1275 Superstar followspots. Located in booth FOH center, at catwalk level.
3. Eight booms as tall as 12'
4. A collection of sidearms, barn doors, irises, and templates
5. House stocks classic Roscolux colors only.

B. Supply:

1. House Voltage is 117 V.A.C.
2. House lighting circuits carry 20 amps from three-pin stage jacks.

3. Company switch/touring disconnect:

- a. Three-phase 110/208 volts, 1x 100 amp(Sound), and 1x 400 amp(Lighting).
- b. Located upstage right.
- c. House does not supply feeder cables.

VI. Communications

Clear-com 2 Channel Headset system to reach most any position. Nine beltpack stations.

VII. Sound

A. Audio playback and Inputs:

1. Two Denon DN-C630, Professional CD/MP3 Players, single disc
2. 8 Whirlwind IMP Passive DI
3 BSS Audio AR-130 Active DI

- B. Microphones:
- 5 Shure SM-58
 - 1 Shure Beta 58
 - 5 Shure SM-57
 - 2 Shure SM-81
 - 2 Shure SM91 (pzm)
 - 5 Crown PCC 160
 - 2 Shure KSM32
 - 3 Shure MX202B/C
 - 2 Shure SM102B
 - 10 Shure Marcad Diversity wireless systems
(supports 8 lavalier mics or 8 handheld mics,
up to 10 wireless channels total)
 - 2 Shure VP82
 - 3 Electrovoice Raven
 - 1 Audix DP7 Drum Mic Kit

C. Mixer: Yamaha M7CL-48 ES

1. Internal dynamic processing (compressor, gate, etc.) on each input
2. Four internal insertable 1/3 octave GEQ, convertible to 8 2/3 octave
3. Four internal insertable FX (reverb, delay, etc.)

D. Amplifiers:

1. House PA
2 QSC PLX 2402
1 Samson Servo 120a
2. Subwoofer
1 QSC PLX 2402

- E. Washer/Dryer
- F. Heavy-duty garment steamer.
- G. Black dance floor that can cover most of stage.
- H. Four Wenger platforms, 4' by 8', 8" or 16" tall; Five smaller platforms with uneven legs to be used as house tables
- I. 59 black armless concert style chairs
- J. AWP-30S Super Series Genie lift

IX. Stagehand Labor

Stewart Theatre is a non-union house. Qualified and well-trained students operate the facility and all its equipment.

X. General Information

- A. Fire: candles, lanterns, matches are only allowed on stage if preapproved by Event Manager and University Fire Marshall. These items must be properly handled. Large open flame is not permitted.
- B. Smoking is prohibited in the entire building and within 25 feet of the building.
- C. Food is prohibited in the house and lobby. Food and drinks are prohibited in tech booth and tech office.
- D. It is the policy of Stewart Theatre to open the house ½ hour before scheduled curtain time.
- E. Performances are expected to start at the scheduled time.

XI. Line Schedule:

<u>Line</u>	<u>Purpose</u>	<u>Location</u>	<u>Max Trim Height</u>	<u>Max Capacity(#)</u>	<u>Length</u>
1	Open	19'3" DS	45'	1900	30'
2	1 st electric	19'6" DS	43'6"	1900	40'
3	Main border	0'0"	50'6"	1200	63'
4	2 nd electric	0'6" US	43'6"	1900	63'
5	Main Traveler	2'0" US	43'6"	1200	63'
6	Open	3'0" US	50'6"	1200	63'
7	Open	3'9" US	50'6"	1200	63'
8	Open	4'9" US	50'6"	1200	63'
9	Open	6'6" US	50'6"	1200	63'
10	Open	7'0" US	50'6"	1200	63'
11	Midstage border	7'9" US	50'6"	1200	63'
12	3 rd electric	9'0" US	44'	1900	63'
13	Midstage Traveler	10'6" US	50'6"	1200	63'
14	Open	11'6" US	50'6"	1200	63'
15	Open	12'3" US	50'6"	1200	63'
16	Open	14'6" US	50'6"	1200	63'
17	Open	15'3" US	50'6"	1200	63'
18	Upstage Border	16'0" US	50'6"	1200	63'
19	4 th electric	17'3" US	43'6"	1900	63'
20	Upstage Traveler	18'6" US	50'6"	1200	63'
21	Scrim	19'9" US	50'6"	1200	63'
22	Cyc Lights	20'9" US	50'6"	1200	63'
23	Cyc	22'6" US	46'8"	1200	63'
24	Open	23'6" US	46'8"	1200	63'
25	Open	25'3" US	46'8"	1200	63'

Notes:

1. All trim heights are adjustable.
2. General Purpose line-sets max capacity 1200#. Electric max capacity 1900#
3. All (non-electric) battens have 2' extensions at each end