

University Theatre
NC State University
Box 7306
Talley Student Union
2610 Cates Avenue
Raleigh, NC 27695

Stewart Theatre
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Technical Information

I. Loading Dock

- A. Door Size 10' wide by 10' high
- B. Location: Price Music Center Side of Talley Student Union
- C. Dock Height: 2'6" with hydraulic top-of-dock leveler
- D. One truck, Bus, or car may park in the loading dock. Space for additional vehicles can be arranged 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: 22' maximum border curtain on a hand-winch operated batten.
- 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 rafters: 47', no grid, and no access
- 6. Stage Floor: Suspended pine boards with Masonite, painted black

B. Drapery and Maskings

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 10'6" upstage.
3. Black velour traveler, 60' x 30', located 20'0" upstage.
4. Black velour front border, 72' x 15'. Permanently mounted downstage of house red curtain.
5. Two black velour borders, normally hanging. 64' x 10'.
6. Two sets 24' x 13' legs. Normally stored.
7. One black border, 64' x 8'. Normally stored.
8. House hanging sequence (DS to US) is border, electric, and legs.

III. Flies

- A. The house has nine battens on a single purchase counterweight system. Counterweight battens can be loaded to 600 lbs. maximum with individual lines carrying 600 lbs. maximum. Some only hold 400 lb arbors.
- B. House electric battens are on motor driven winches. Electric battens can be loaded to 2000 lbs. maximum.
- C. Natural muslin cyc 50' x 24'. Normally stored on counterweight line set #17. Can be moved.
- D. Traveler curtains are hung on hand-operated-winch. They do not fly out and are not removable.

IV. Dressing Rooms

- A. Male and female dressing rooms each have 20 mirrors, fluorescent make-up lights, chairs, sinks, showers and toilets.
- B. Three 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 Ion 2K (2048 outputs) running up to date software with a 2x10 fader 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
27	LED	ETC Selador	11"	125
46	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
2	Scoop	Capitol18"		1500
7	LED	ETC Selador	63"	750

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, one 100 amps/phase(sound), and one 400 amps/phase (lighting).

b. Located upstage right.

c. House does not supply feeder cables.

4. Two Lycian 1275 Superstar followspots. Located in booth FOH center, at catwalk level.

C. House stocks classic Roscolux colors only.

VI. Communications

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

VII. Sound

A. Audio playback and Inputs:

1. Two Denon DN-C630, Professional CD/MP3 Players, single disc
2. Laptop (not provided) audio playback via headphone output (1/8" stereo mini jack)
3. Five DI boxes

B. Microphones:

- 5 Shure SM-58
- 5 Shure Beta 58
- 5 Shure SM-57
- 4 Shure SM91 (pzm)
- 3 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)

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 | 3 QSC PLX 2402
1 Samson Servo 120a |
| 2. Subwoofer | 1 Ashly KLR-3200 |
| 3. Monitor | 1 QSC PLX 1104 |
| 4. Booth/ dressing Room | Samson Servo 200 |

E. Processors:

1. House PA
 - 1 DBX 3231L Dual 1/3 Octave Graphic EQ
 - 1 DBX 1066 Dual Compressor/Limiter/Gate
 - 1 Ashly XR 1001 Stereo Crossover
 - 1 DBX 223XL Stereo Crossover
2. Non-dedicated
 - 3 Ashly GQ131, 1/3 Octave Graphic EQ
 - 1 Ashly GQX 3101 1/3 Octave Graphic EQ
 - 1 DBX 1066 Dual Compressor/Limiter/Gate
 - 1 DOD Dimension 3 Digital Effects System
 - 1 Lexicon "Alex" Effects Processor

F. Speakers:

1. House PA
 - 8 EAW VR21 Full-Range Speakers (12" driver and horn)
 - 2 EAW VFS250 (dual 15" driver)
 - 2 additional EAW 90° x 60° horns
2. Backstage/Monitor
 - 4 JBL JRX 112M (12" driver and horn)
 - 2 JBL SR 4722X (12" driver with horn)

G. Notes

1. Jacks are located stage left, right and center for input/output of mixer, jacks for two speaker lines, and 2 Clear-com channels.
2. House requires no sound re-enforcement for acoustic music, dialog or singing, though it is strongly encouraged.
3. Sound control is in booth at rear of house at catwalk level.

VIII. Other Equipment

- A. One Steinway 9' Grand Piano.
- B. One "A-frame" extension ladder.
- C. Two 10' stepladders.
- D. One ironing board and iron.
- E. Washer/Dryer
- F. Heavy-duty garment steamer.

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: flash pots, candles, lanterns, matches and so on are allowed on stage if properly handled and pre-approved by University Fire Marshall. Large open flame is not permitted.
- B. Smoking is prohibited in the entire building and within 25 feet of the building.
- C. Food and drink are prohibited in the house and lobby. Food is 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>Use</u>	<u>Location</u>	<u>Max Height</u>	<u>Type</u>	<u>Length</u>
1.	1 st electric	10'6" DS	28'	motor winch	39'
2.	Main border	0'9" DS	46'	hand winch	60'
3.	2 nd electric	0'0"	28'	motor winch	60'
4.	Main Traveler	0'9" US	41'	hand winch	60'
5.	Scenery batten	5'0" US	46'	counterweight	63'
6.	Scenery batten	8'0" US	46'	counterweight	63'
7.	Midstage border	9'0" US	46'	counterweight	64'
8.	3 rd electric	9'6" US	30'	motor winch	60'
9.	Midstage Traveler	10'6" US	41'	hand winch	60'
10.	Scenery batten	11'0" US	46'	counterweight	63'
11.	Scenery batten	11'6" US	46'	counterweight	50'
12.	Scenery batten	15'0" US	46'	counterweight	63'
13.	Upstage Border	18'0" US	46'	counterweight	63'
14.	4 th electric	19'0" US	30'	motor winch	60'
15.	Upstage Traveler	20'0" US	41'	hand winch	60'
16.	Scenery batten	20'6" US	46'	counterweight	63'
17.	Scenery batten(cyc)	22'0" US	46'	counterweight	63'
18.	Movie Screen	24'0" US	46'	motor winch	63'

Notes:

1. All trim heights are adjustable.
2. Counterweight lines can be loaded to 600 lbs. with a maximum 600 lbs. on each individual line. Some arbors limit weight to 400 lbs.
3. All line sets are single purchase.
4. All motor winches carry 2000 lbs. maximum.

