# The Stevens Center Joan Hanes Theatre Basic Facilities Manual

The Stevens Center of the University of North Carolina School of the Arts 405 West Fourth St., Winston-Salem, NC 27101 Revised November 1, 2018

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## **STEVENS CENTER STAFF**

General Manager	Scott Spencer
Assistant Manager	Kay Bosworth
House Manager	Russell Scott
Production Manager	Paul Valoris
Technical Director	Patrick O'Kelly
Technical Director	Blaine Potts
Box Office	Kathi Rainwater

Administrative Offices	(336) 723-6320
Box Office	(336) 721-1945
Production Offices	(336) 721-0712
Production Office Fax	(336) 770-1448
Backstage	(336) 721-0713
Fax	(336) 722-7240

## PHYSICAL FACILITIES OF JOAN HANES THEATRE OF THE STEVENS CENTER

Orchestra Seating	852	
Balcony Seating	528	
Total Seating	1,380	
Dressing Rooms: <u>Type</u>	<u>Number</u>	<u>Capacity</u>
Conductor	1	1-2
Guest Artist	2	1-2
Principals	6	3-4
Corps	2	12-16

All dressing rooms are located on the lower level and may be reached from the performers entrance located on the Marshall Street side of the theater. All are equipped with lighted mirrors, showers, restroom facilities, chairs, and wardrobe racks.

#### Additional Facilities:

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All of the following are located on the lower level of the theater and can be paged from the stage manager's console:

- Wardrobe Room: Equipped with 2-washer 2-dryers, deep base sink, ironing board, 2-sewing machines and a steamer.
- Lounge: Equipped with vending machines, table and chairs.
- Orchestra Ready Room: Located at the entrance to the pit with tables, chairs, and restroom facilities.
- Dance Studio: Large studio with floor, mirrors, and dance bars. 28' x 40'

## POLICIES FOR USING THE JOAN HANES THEATRE OF THE STEVENS CENTER

All areas of the lower level, except the Green Room, are included in the rental rate.

Use of the Stevens Center to the fullest is encouraged, while at the same time maintaining the excellent condition of the seats, carpet, furniture and equipment. Your compliance with these policies is expected and appreciated. Please communicate these policies to all members of your organization.

## Backstage Policies

- THE GENIE PERSONNEL LIFT MUST HAVE FOUR OUTRIGGERS AND DIAGONAL BRACES ON WHEN IN USE.
- Two people will need to be on stage at all times while using any of the manually propelled personnel lifts.
- Only those authorized by the proper school, department or Stevens Center staff shall be allowed to use the aerial personnel lifts.
- New Operators shall sign the Stevens Center's Aerial Lift Operator Acknowledgment Form.
- All four outriggers should be properly installed and leveling jacks firmly in contact with the floor before raising the work platform.
- Once the work platform has been raised the outrigger leveling screw jacks should not be adjusted or removed and lift should not be moved until the work platform is lowered completely.
- Any variance from operating procedures or training guidelines will require approval from the house staff.
- All hanging scenery must be rigged with proper wire rope. All hanging scenery must have rated hardware. If you are using wire rope clips they must be put on correctly and be forged not malleable. If you are using sleeves they must be copper not aluminum. The sleeves will be checked with a go gauge before the scenery is flown. All scenery must be flame proof.
- All cast and crew are to use the stage door or the performers entrance located on the Marshall Street side.
- A member of the Stevens Center staff, for billing and security reasons, must be present during all activity in the Center. Notify the staff upon arrival and departure.

- All work areas must be kept clean and presentable.
- Any soft goods moved must be returned to their original location.
- Operation of the fly system can be done only under the supervision of trained staff members.
- There must be on stage spotters for all linesets that move during the early stages of production.
- All tools and/or loose objects must be secured when going to the hemp rail, loading rail, front of house, grid, or up any ladder. NO EXCEPTIONS.
- There will be no eating, drinking, or smoking in the house, on stage or in the sound, light and projection booths.
- The use of all tobacco products is prohibited anywhere in the Stevens Center and within 20 feet of any and all entrances and exits.
- Orchestra lift may be moved only upon request of the technical director and under the supervision of house staff.
- Motorized electrics and orchestra shell may be moved only upon request of the technical director and under the supervision of house staff.
- Please take care to prevent damage to the paint and floor surfaces in the lower level. YOU WILL BE CHARGED FOR ANY DAMAGE.
- Please do not use tape on any of the painted surfaces in the lower level.
- Any schedule changes must be approved in advance by one of the technical directors or the production manager.
- Regular working hours are from 8 A.M. to midnight. Any request for additional hours requires the prior approval of the Center manager and will involve additional charges to the user.
- THERE IS A THREE (3) STAGEHAND MINIMUM WHENEVER THE USER IS IN THE THEATER.

• ALL EQUIPMENT IN THE STEVENS CENTER MUST BE OPERATED BY TRAINED CREW MEMBERS HIRED AND SUPERVISED BY THE CENTER STAFF. COST OF LABOR IS LISTED IN THE FEE SCHEDULES.

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## Load-in Policies

Prior to load-in, the user must have paid all estimated charges and presented the staff with written proof of liability insurance as requested by the contract. All materials must comply with the fire and safety codes established by the Winston-Salem Fire Department and North Carolina School of the Arts.

## THE CENTER IS NOT RESPONSIBLE FOR THE PARKING OF VEHICLES WITH THE PRODUCTION.

### Strike Policies

All equipment, materials, and tools brought into the Center must be removed immediately following the final performance. The Center cannot accept any responsibility for items left after strike.

The theater must be restored to the condition specified by the Stevens Center Technical Director. Approval of the strike is the decision of the Center staff member on duty.

### Damage to the Center or Equipment

The user is responsible for all damage caused by any person associated with the production under the user's supervision. If the damage is not covered by liability insurance, the user will be held responsible for the cost. The additional charges will be included in the final invoice for payment.

#### <u>Insurance</u>

Liability insurance is required as stated in the rental agreement. Proof of liability coverage must be provided to the Center staff prior to load-in. (For special events, the Center management reserves the right to require additional limits of liability.)

### **Concessions**

Special items provided by the facility user, related to a special event, may be sold in the lobby area with prior permission from the Center management. These items must be presented in a manner and in an area acceptable to the Center management.

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## **Pyrotechnics**

User must have prior approval from the Center Technical Director and obtain a permit from the City of Winston-Salem. For instructions of how to obtain the permit contact the Center Technical Director. (Please note that the permit process takes at least 30 days.)

## **STAGE INFORMATION AND DIMENSIONS**

- Proscenium Opening Plaster: Width- Max. 42'-0" Height- Max. 30'-0"
- Stage Depth-34'-6" Depth from plasterline to last working line- 34'-6"
- Stage Width- 77'-6" Center line to stage left wall- 40'-6" Center line to stage right wall (fly rail)- 37'-0" There is no additional offstage storage spaces
- Stage Height Deck to gridiron-67'-0" Actual flying height-64'-6"
- Pin Rail Located 37'-0" off deck, both stage right and stage left
- Apron

14'-0" in depth with pit up, 8'-0" with pit down, elliptical in shape Stage height from house floor is 4'-0"

Floor

Stage floor is 1/4" tempered hardboard painted brown Underlayment is T&G pine, 3/4"ply, 2x4 nailer on concrete 3-1/2" from top of concrete Stage floor is not waxed Stage floor is not trapped

• Load-in Facility

Loading door is located stage left (Marshall Street) Clear width and height is 9'-6" square Sidewalk is ramped from street level to loading door threshold Loading door is 0'- 8" above the stage. We have ramps to accommodate this situation.

Trucks must park parallel to stage door on the street

## NO LOADING DOCK, NO FORKLIFT, NO TRUCK RAMP CANNOT GUARANTEE SPACE FOR TRUCK, BUSSES, ETC.

- Counterweight System

   43 single purchase linesets
   Operated from stage right on deck
   Arbor capacity 1,000 lbs.
   Pipe length- 52'-0" with 5'-0" extensions on both ends
   Pipe- 1-1/2"
- Stage Draperies
   See page 11 for inventory
- Flying Data
   See page 17 for line schedule
- Distances

Projection booth to plasterline-108'-0" Balcony rail to plasterline- 64'-0" Light booth to plasterline- 85'-0" Cove to plasterline- 85'-0" Bottom lights in Lower box booms are 13'-0" above stage level Top lights in Lower box booms are 21'-0" above stage level Upper box booms are 25' above stage level

 Distance of Cable Runs from front of house positions to loading door SR Lower box boom- 190'-0" SL Lower box boom- 81'-0" SR Upper box boom- 190'-0" SL Upper box boom- 100'-0" Cove (centerline)- 241'-0" Balcony rail (centerline)- 148'-0" Apron truss- 125'-0" Apron pipe- 115'-0" SR gallery- 190'-0" SL gallery- 100'-0"

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## EQUIPMENT USE AND INVENTORY

The Stevens Center is equipped with a computer lighting system, an internal communications system, video monitoring, and sound reinforcement equipment. There are charges for use of this equipment, and these charges are available upon request.

All equipment in the Stevens Center must be operated by trained crew members hired and supervised by the Center staff. Cost of labor is listed in the fee schedules.

The following equipment inventory changes from time to time. Please contact the Technical Director for the latest update of the inventory prior to your desired load-in date.

### Stage Draperies Inventory

House Front Curtain

33'-0" high 27'-0" wide each half Face fabric - Marvel Velour, Color - Brick with Gold Bullion Fringe Works as guillotine only, does not travel. Can page center for entrance/exit

Legs

Eight each 34'-0" high by 12'-6" wide of 25oz. black velour sewn flat

- Tab Legs Six each 34'-0" high by 8'-6" wide of 25oz. black velour sewn flat
- Borders

Three each 12'-0" high by 54'-0" wide of 25oz. black velour sewn flat One 20'-0" high by 54'-0" wide of 25oz. black velour sewn flat

Blackout Drop

Two 34'-0" high by 60'-0" wide of 25oz black velour sewn flat Can page center for entrance/exit

Scrims

Two 34'-0" high by 60'-0" wide Sharks tooth Scrim One white, one black

 Muslin Cyc Backdrop One 34'-0" high by 60'-0" wide of natural muslin, without seams

 Pit Curtains Six each two layers 5'-9" high by 8'-0" wide of cocoa Duvetyne fabric

### Electrical Information and Inventory

Company Switches

Switch #1- phase/ 5 wire/ 208 volt/ 400 amps per leg Switch #2- phase/ 5 wire/ 208 volt/ 400 amps per leg Switch #3- phase/ 5 wire/ 208 volt/ 200 amps per leg All are located on the stage left wall near the loading door

• Control System and Dimmers

The house board is an ETC Ion with 2x10 and 2x20 fader wings. This system is equipped for remote control by way of iOS devices using the ETC iRFR app. The system is dimmer per circuit with approximately 400 circuits. The Dimmers are ETC AF Sensor dimmers. (2.4KW) There are 25 DMX outputs throughout the venue that are patchable to 5 dry line universes of DMX. There are DMX inputs in the SL wing (by the 400 amp disconnects), in the house (tech table position), on the SL midrail, and in the light booth which is behind the orchestra seating. There are also 3 patchable optical-isolators and ETC Net at all Lightboard positions. The houselights are controlled by an ETC Unison Architectural lighting system.

## THERE IS NOT AN INTERCONNECT PANEL ALLOWING FRONT OF HOUSE CIRCUITS TO BE DIRECTLY CONNECTED TO ROAD BOARDS.

- On-stage Equipment
  - 5 motorized electric battens with 24 circuits each
  - 1 Break-out DSL and DSR with 10 circuits each
  - 3 Break-outs SL and SR with 4 circuits each
  - 1 Break-out USL and USR with 12 circuits each
  - 3 floor pockets SL and SR with 5 circuits each
  - 1 floor pocket USL, UC, USR with 4 circuits each
  - 1 floor pocket UC with 2-50 amp circuits

- Forestage
   2 motorized electrics- 12 circuits at 20 amps (removable drop boxes)
   1- 20'-0" x 12" x 12" Motorized Box Truss
- Upper Box booms SL and SR Equipped with 12-26 degree source 4's per box boom
   9 Circuits per upper box boom
- Lower Box Booms Tri ladders SL and SR with 10 circuits at 20 amps 6 ETC 15°- 30° Zooms in each box boom
- Ceiling Cove Slot 30 circuits at 20 amps 2 circuits at 50 amps 34 ETC Source 4 units -34-5° barrels -26-10° barrels Top pipe is 22'-5" long Bottom pipe is 31'-5" long
- Balcony Rail 12 circuits at 20 amps, 2 circuits at 50 amps- paralleled with 50 amp circuits in the orchestra lift position
- Orchestra Lift Floor Pockets

   2 circuits at 50 amps, duplicated use
   5 circuits at 20 amps
   10 Edison outlets for orchestra lights
   16 outlets on the permanent risers under the stage
   16 plugging strips

#### • Instrument Inventory

<u>Quantity</u>	Description	Color Frame Size	
	House Hang		
12	ETC Source 4 5° ERS / 575W	14" x 14"	
24	ETC Source 4 10° ERS / 575W	12" x 12"	
20	ETC Source 4 19° ERS / 575W	6-1/4"x 6-1/4"	
40	ETC Source 4 26° ERS / 575W	6-1/4"x 6-1/4"	
16	ETC Source 4 36° ERS / 575W	6-1/4"x 6-1/4"	
24	ETC Source 4 15°-30° Zooms	7-1/2"x 7-1/2"	
15	ETC Source Par 575W	7-1/2"x 7-1/2"	
	Additional Inventory		
178	ETC Source 4 Bodies	(575w)	
24	ETC Source 4 5° Barrels	14" x 14"	
2	ETC Source 4 10° Barrels	12"x 12"	
3	ETC Source 4 14 Barrels	6-1/4"x 6-1/4"	
42	ETC Source 4 19° Barrels	6-1/4"x 6-1/4"	
98	ETC Source 4 26° Barrels	6-1/4"x 6-1/4"	
51	ETC Source 4 36° Barrels	6-1/4"x 6-1/4"	
10	ETC Source 4 50° Barrels	6-1/4"x 6-1/4"	
48	ETC Source 4 Par 575W	7-1/2"x 7-1/2"	
30	ARRI Studio Fresnel 1000W	229mm cir.(9.02")	
16	Chroma-Q Color Force 72 LED Batter	I	
34	ETC Selador Desire D60 Vivid LED		
8	Boom Bases (various pipe 1-1/4"x 10"	and 2 at 16')	
2	Lycian 1290 follow spots		

• Stage Cable

Cable is 12/3 type SO and is available in 5', 10', 15', 25', 50' lengths Some twofers also are available

- 4 SRI T-Beam Focus Track

## Sound Information and Inventory

The Stevens Center's sound system consists of a Yamaha M7CL-32 Mixing Console, 1/4" balanced patch panel, 32 In and Out Dante BUS system, d&b main proscenium speaker cluster, two deck CD player, assorted powered cabinets for stage monitors or reinforcement, and assorted microphones and cables.

The theater also is equipped with a cross connect panel located downstage left on the proscenium wall. This panel will allow a production that wishes to use its own sound equipment to tie into the house speaker cluster and also to access the microphone inputs, which are mounted in the stage floor. This panel is 3-pin XLR type.

The theater has 24 Cat6 dry lines from the SR proscenium wall to the sound booth, along with 12 shielded Cat6A dry lines. Approximate length of run is 185'. Also located SR are Focusrite Rednet Dante interfaces, with 8 line in, 8 line out and 8 mic in available. There is also a Focusrite Rednet in the rack for the center cluster (above the proscenium) which provides 6 line In/Out.

There are 8 cat6 ports on the DSL Panel and 17 xlr inputs.

Additionally, there is an in-house, self-contained RF broadcast system for the hearing-impaired. This is a two-channel system. Headset receivers are available for use through the Stevens Center box office prior to each performance.

- Microphones
  - (2) Neumann KMi 83
  - (2) Neumann KMi 84
  - (7) Shure SM58
  - (13) Shure SM57
  - (3) Shure SM58 w/ Switch
  - (4) Shure Microflex MX202 Overhead Microphone
    - + (1) Body only without the Mic

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405 West Fourth Street

Winston-Salem, North Carolina 27101

- (5) Crown PCC 160 Floor Mic
- (5) Sennheiser MD421 II
  - (1) is missing its special mic clip
- (8) Shure ULX1 G3 Beltpacks with Black WL185 Lavs
  - (8) Spare Black WL185 Lavs
- (6) Shure SM93 Lavalier Microphone
  - (2) Skin Tone
  - (4) Black
- (9) Countryman E6 Flex Omni Earset Mic
  - (8) Skin Tone
  - (1) Black
- (8) Shure ULX2 G3 SM58 Handheld Wireless
- CD Player
   1 Denon DN-1800F Dual CD player
- Mixer
   1 Yamaha M7CL-32 Mixing Console
- Speakers
  - 4 12" EON Powered Cabinets
  - 2 15" EON Powered Cabinets
- The Main Cluster is comprised of 2 d&b Qi7 loudspeakers, 1 d&b Qu10 loudspeaker and two 2 d&b Vi-SUB, powered by a d&b D80 4 Channel Amplifier

## Stage Manager's Console and Communications Equipment

The stage manager's console is located down stage right. The console has an eight channel Clear-Com, video monitoring, and a cue system. It also has paging capability to the lower dressing room areas.

The Clear-Com system is wired throughout the theater with either biscuit or headset jacks. Headsets and belt packs are available.

The Closed Circuit Video System consists of two cameras, and 12 video outlets. One camera is located light booth looking at the stage, the other camera is set to look at the conductor when the lift is in the orchestra position.

There are no capabilities for video recording with these systems.

The video outlets are located: two each DSR, one each USR, USL, DSL, Green Room,

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There are telephones located DSR, lighting booth, projection booth, fourth floor offices, box office, and basement offices

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## Wardrobe Room Equipment

Kenmore sewing machine
 Washing machine
 Clothes dryer
 Ironing board
 Light duty iron
 Jiffy Steamers
 Wardrobe racks

## WENGNER "DIVA" ORCHESTRA SHELL INFORMATION

The Wengner "Diva" Orchestra Shell is a portable enclosure designed to project orchestral of choral sound toward the audience. The shell is erected and struck for shows as needed. Shell configurations are as follows:

Solo and Piano Ensemble Full Orchestra

A full shell is 42' wide at the downstage wall, 30' deep from the plaster line and consists of eight movable towers with four ceiling clouds. The ceiling clouds are permanently hung on battens, and are flipped down to a horizontal position when in use. When orchestra shell is in place, line sets and the main curtain cannot be used.

The shell also may be at alternate depths of 24' from the plaster line (ensemble position) or at 18' from the plaster line (solo and piano position).

The downstage edges (ends) of the shell are continuous with the sides of the proscenium, and the doors in the downstage towers allow entrance and exit to and from the stage.

 Orchestra Equipment Inventory 200 black upholstered chairs 100 black music stands without lights Small number of assorted height stools 1- 9' Steinway Grand Piano 1- Kawai upright Piano 1- 2'-6" square by 8" high conductor's podium 1- 3'-0" square by 8" high conductor's podium Percussion equipment available upon request. A rental fee is charged.

## Orchestra Pit/Lift

The orchestra pit is Bayreuth style and with the gate open, it will accommodate approximately 60 musicians. With the gate closed (when lift is above pit level), it will accommodate approximately 35 musicians.

There are four preset levels for the lift: storage, pit, house, and stage. The lift may be stopped anywhere in between these levels.

## JOAN HANES THEATRE LINE SCHEDULE

LINE #	DISTANCE		<u>CENER</u>		NOTES
Truss	11'-0"	Apron wide	truss	38'-0"	Flat truss with circuits
Pipe	4'-0"	Apron wide	pipe	38'-0"	Pipe with circuits
Plaster	0'-0"		ER LIN	E	
line					
*	0'-3"	Asbesto	os Curta	lin	
*	1'-3"	House	Curtain		
1	2'-0"	Black B	Border		Removable
2	2'-9"	Black L	egs		Removable
3	3'-3"	Open	-		
1st Electric	4'-0"	Electric			Electric winch
Shell	4'-6"	Orches	tra Ceili	ng	Non-Removable
4	5'-9"	Open			
5	6'-3"	Open			
6	6'-9"	Open			
7	7'-6"	Open			
8	8'-0"	Open			
9	8'-6"	Black B	Border		Removable
10	9'-0"	Black L	egs		Removable
11	9'-6"	Open			
12	10'-0"	Open			
13	10'-6"	Open			
2nd	11'-6"	Electric			Electric winch
Electric					
Shell	12'-9"		tra Ceili	ng	Non-Removable
14	13'-6"	Open			
15	14'-0"	Open			
16	14'-6"	Open			
17	15'-0"	Open			
18	15'-6"	Open			
19	16'-0"	Open			
20	16'-6"	Open			<b>_</b>
21	17'-0"	Black B			Removable
22	17'-6"	Black L	egs		Removable
23	18'-6"	Open			
24 Ord Electric	19'-0"	Open			El a atula codor e la
3rd Electric	19'-6"	Electric			Electric winch
Shell	20'-6"	Orches	tra Ceili	ng	Non-Removable

THE STEVEN	IS CENTER	R JOAN HANES THEAT	FRE BASIC FACILITIES	
MANUAL				
405 West Four	th Street			
Winston-Salen	n, North Ca	rolina 27101	2	0
25	21'-6"	Open		
26	22'-0"	Blackout Drop	Removable	
27	22'-6"	Open		
28	23'-0"	Open		
29	23'-6"	Open		
30	24'-6"	Open		
31	25'-0"	Black Border	Removable	
32	25'-6"	Black Legs	Removable	
Shell	26'-6"	Orchestra Ceiling	Non-Removable	
4th Electric	27'-6"	Electric	Electric winch	
33	28'-6"	Open		
34	29'-0"	Open		
35	29'-6"	Open		
5th Electric	30'-0"	Electric	Electric winch	
36	30'-9"	Open		
37	31'-6"	Blackout Drop	Removable	
38	32'-3"	Tab Legs	Removable	
39	32'-6"	Black Scrim	Removable	
40	33'-3"	White Scrim	Removable	
41	33'-9"	Muslin Cyc	Removable	
42	34'-0"	Open		
43	34'-6"	Open	Very close to back wall	
		-	-	

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All distances are taken from plaster line. Apron truss and pipe are downstage of the plaster line.

### Wenger Versalite Platform System

Inventory as of 5-27-2010

12 Rectangular Risers @ 4' x 8' - 6 legs needed per unit

- 6 Rectangular Risers @ 4' x 6' 6 legs needed per unit
- 1 Square Riser @ 4' x 4'
- 1 Square Riser @ 3' X 3'
- 4 Quadrilateral Trapezia Risers @ 60" x 48" x 41" x 44" 4 legs needed per unit
- 2 Lrg Trapezoid Risers @ 82" x 48" x 46" x 48" 5 legs needed per unit
- 2 Sml Trapezoid Risers @ 46" x 48" x 9' x 48" 3 legs needed per unit
- 48 legs @ 8"
  52 legs @ 16"
  44 legs @ 24"
  6 legs @ 30"
  6 legs @ 40"

2 Stair Units wt. hand Rails

Stairs will work with either 16" high riser setting or 24" high riser setting
3 8-Unit Deck Carts (will hold/move max. 8 Rectangular Risers @ 4' x 8'
Chair Stop Edging and mounting clips.

4 x 6 & 4 x 8 = Rectangular Risers

QT = Quadrilateral Trapezium Risers

LT = Large Trapezoid Risers

ST = Small Trapezoid Risers

Image does not reflect current inventory

