

Wheelwright Auditorium Coastal Carolina University Technical Specifications 2010

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House Information

An indoor theatre with two (2) center aisles and two (2) side aisles. The front row is approximately seventeen (17) feet from the front of the proscenium. The total seating capacity is 789. The Orchestra section seats 582 plus 4 wheelchair positions, the Balcony section seats 203. Location of complimentary tickets is at the discretion of the box office manager.

Stage Information

The Stage floor is covered with ¼” double-tempered Masonite over ¾” OSB on 2x4 sleepers. The Stage floor is painted black with a satin finish. Screwing into the Stage floor is permitted. The Stage floor is raised 2½” above the height of all surrounding floors. There are ramps at the Green Room, load bay and the stage right and left proscenium doors. All other doors have a small step.

The proscenium height is nineteen feet, one inch (19’1”). The proscenium width is forty (40) feet. The stage depth (plaster line to back wall) is thirty-eight (38) feet. Apron edge to the plaster line is five feet, eleven inches (5’11”). The orchestra pit to the apron edge is eight (8) feet. The orchestra pit is six (6) feet

deep and normally covered with Bil-Jax decks (40'W x 8'D) level with the stage. Stage left wing space is fourteen (14) feet. Stage right wing space is fourteen (14) feet.

The fly rail is suspended approximately nine (9) feet over the stage right wing, ten (10) feet off stage right.

The loading dock is located at the rear of the auditorium. GPS Coordinates of the Loading Dock are: 33°47'40"N x 79°0'33"W. The height of the loading dock from the ground is forty-four (44) inches. Height of the load door is sixteen (16) feet and the width is ten (10) feet. The distance from the dock to the stage is seventeen (17) feet. There is direct access from the dock to the stage through another load door that is also sixteen (16) feet high and ten (10) feet wide.

Fly Information

Double-purchase, counter-weight fly system using Multiline 2 hand lines. Eight(8) inch centers on most line sets. Thirty-one(31) feet from plaster line to last line set. Forty (40) line sets total, twenty-nine (29) open battens for scenery and masking. Batten pipe length is 48 feet for most line sets. Minimum batten height is five (5) feet. Maximum batten height is forty-four (44) feet. Grid height is forty-six (46) feet. The fly rail is located offstage right, nine (9) feet above stage level.

Line Set Schedule available on request.

!!! Projection Screen, Travelers, and Cyclorama are not movable !!!

Soft Goods

One(1) Valance, sewn flat. (6'H x 48'W) Color: Peacock green. Line Set #2.

One(1) Main curtain sewn with 100% fullness, traveler controlled from stage right. Color: Peacock green. Line Set #3.

Two(2)Black travelers sewn with 25% fullness: Speaker curtain at mid-stage and an up-stage curtain, both on travelers controlled from stage right. Line Sets #20 and #39.

Five(5)Sets of Legs. (23'H x 13'W)

Five(5)Borders. (6'H x 55'W)

One(1) White Cyclorama (30'H x 46'W) Line Set #40.

One(1) Black Sharktooth Scrim. (22'H x 48'W)

One(1) Front Projection Screen. (15'H x 25'W) Line Set #5.

One(1)Rear Projection Screen. (10.5'H x 14'W)

Backstage Information

Wheelwright Auditorium has two (2) Dressing Rooms located offstage left. The Women's Dressing Room is located one the first floor, Men's Dressing Room on the second floor. Both Dressing Rooms are equipped with the following items: six (6) lighted mirrors, one (1) floor length mirror, twelve (12) chairs, two (2) costume racks (costume racks are not movable), nine (9) lockers, one (1) restroom with two (2) showers.

One (1) washer and one (1) dryer are located on the second floor offstage right. Iron, Ironing Board and Steamer are available upon request.

The Green Room is located offstage right on the first floor. Green Room is equipped with a sink, microwave, 2 couches and 2 chairs. All furniture in the green room is to remain in the green room.

Electrical Information

Lighting system control: One (1) ETC Expression 3 with 400 channel capacity, Two (2) monitors, Remote Focus Unit. The lighting board is located in the booth in the rear balcony of the auditorium. The RFU has inputs on stage left, catwalk and two lower coves.

The dimmers are located in the stage right side of the shop. The lighting system is dimmer per circuit. The dimmers are ETC Sensor racks (2x96) using ETC D20E and D15E sensor dimming modules. There are one hundred seventy-five (175) dimmers at 2.4kW each and sixteen (16) at 1.8kW each. Six(6) Constant Circuit 20 amp modules are available. Forty-five(45) Dimmer Doublers utilized by Source Four and Source Four Pars. Dimmer system is powered by a 600A three-phase service

Four (4) precircuited electrics (circuits 39-116) above the stage. Circuits per pipe: 1st-30, 39-68; 2nd-14, 69-82; 3rd-14, 83-96; 4th-20, 97-116. One (1) catwalk (circuits 15-38) overhead cove. Four (4) side coves (circuits 3-14) located on sides of auditorium. One (1) Front of House electric circuits (149-164) located over balcony. All circuits are wired with stage pin connectors on twelve-inch tails.

Ten (10) wall boxes (circuits 117-148 & 165-178) located around the stage. All circuits are wired with panel mount, stage pin connectors or multi-pin disconnects (Socapex). Stage pin breakouts are available.

Distributed DMX unit located stage left, inputs located on stage electronics and catwalk.

Eight work lights on 2nd and 3rd electric (4 fixtures on each electric).

Cables of various lengths are available upon request.

House lighting is one(1) Unison system with three(3) control stations located in Booth, Stage Left, and Front of house.

Additional power available at the auditorium: Four(4) 100 amp single or three-phase service boxes, 110 volts each. The power supply is located upstage right at about 38 feet from the proscenium opening. Exterior 600 amp service. Any hook ups must be requested two weeks prior to use.

Lighting Instruments

Source Four Ellipsoidals:

10°	Eighteen(18)
19°	Eighteen(18)
26°	Sixteen(16)
36°	Fifteen(15)
50°	Four(4)
Source Four Junior 26°	Twenty-four(24)
Source Four Junior 36°	Twelve(12)
Source Four PAR	Fifty-seven(57)
Altman 360Q 6x12	Twelve (12)
Altman 360Q 6x9	Twenty-two(22)

Altman Sky Cyc (three cell)	Eight(8)
Altman 4.5 15° / 30° zooms	Eight(8)
PAR 64 cans	Sixteen(16)
Strip Lights (8 feet x 3 circuits)	Three(3)

Gel frames are available for all instruments.

All Source Four fixtures have HPL550W, 77v lamps. All Altmans have 575W FLK lamps, all Sky Cyps have 1000W lamps, all par 64's have 1000W medium flood FFR and/or wide flood FFS lamps

Two(2) follow spots; Lycian 1272 StarkLite II, 1200 watts each, located on either side of the control booth.

Video Information

House Projector is a Christie Digital LX1000 (XGA Inorganic LCD 10,000 Lumen) with three mounting and two lens options. Projector can be flown on any available line set, mounted to dedicated rigging in the balcony or ground supported. Lens options are a 0.8:1 fixed and a 2.6-3.5:1 zoom.

Video content is controlled by a NewTek TriCaster TC100 with three(3) external inputs, iVGA input, onboard video playback, onboard still-store and overlay capability.

DVD Player: Denon DV-V200
 PowerPoint Computer: Dell OptiPlex SFF with MS Office 2007

All other Video Playback devices available by request 2 weeks before use.

Audio Information

House Sound System

Yamaha M7CL 48 digital mixing console. It has 16 XLR outputs. Each channel has two dynamic processors, 16 Aux sends (8 are designated for monitor mixes), 8 mute groups, 8 DCA's, 4 band parametric EQ, 8 Matrix groups, on-board digital effects and touch screen interface.

(Secondary) Allen & Heath GL2200 audio mixing console: 32 channel input, 2 stereo returns, and XLR & ¼ connectors. Each channel has low/sweep-able dual mids/high – EQ, 6 Aux sends (4 are designated as monitor sends), pan controls and 4 subgroups.

House equalization control for the GL 2200

Ashly GQX-3102	One (1)
Behringer Ultracurve 31 band equalizer	One (1)

Dynamics for the GL 2200

DBX 266XL compressor/gates	Four (4)
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Monitor mixes have

DOD SR830QX equalizer	Four (4)
DOD SR430QX equalizer	Two (2)

Aviom Digital Main Snake with 48 inputs and 16 sends located stage left. 48 input monitor console snake (Split from main snake). Two (2) 12 channel, 50' sub-snakes and four (4) 16 channel, 4 return 50' sub-snakes.

The power for the main PA system is provided by three (3) TOA DA-500F-HL amplifiers, Two (2) TOA DA-550F amplifiers, Five (5) TOA DA-250F amplifiers, Two (2) TOA DA-250F amplifiers.

Speakers:	TOA SR-A18B subwoofers	Four (4)
	TOA SR-A12S short throw speakers	Six (6)
	TOA SR-A12L long throw speakers	Six (6)

The Monitor power supply is three (3) QSC USA 900 two channel stereo amplifiers and one (1) QSC MX 2000a two channel stereo amplifier. This amplifier is designated for the SM 15 monitor cabinets specifically. Eight (8) Monitor Mixes.

Speakers:	Yamaha SM12IV Stage Monitors	Four (4)
	Yamaha SM 12V Stage Monitors	Two (2)
	Yamaha SM 15V Stage Monitors	Two (2)
	Nady floor wedges	Two (2)
	Flown Side fills	Two (2)
	JBL Control Room Monitors	Two (2)

1/4" patch bay for routing the output of the tape decks, CD decks, MD recorder, DAT Recorder to the stereo channels on the sound console.

Tape Deck: Denon DN-770R Dual Cassette Deck with pitch control.

CD Player: Denon DN-2000FNK3 Dual Deck Compact Disc Digital Audio Player with pitch control.

MD Player: Denon DN-MD2300R Dual Deck Mini Disc Recorder with pitch control.

DAT Player: Tascam DA30 DAT Player/Recorder

Microphones: Two (2) wired microphones provided with rental. All other microphones available by request, two weeks prior to use.

Wired Microphone inventory:

Samson R11	Nine(9)
Samson S11	One(1)
Shure SM 58	One(1)
Shure SM 57	Six(6)
AKG C-1000 Condenser	Two(2)
Behringer B2 Condenser	Four(4)
Shure MX 391/C Condenser Floor mic	Four(4)
Astatic 900 Condenser Choir mic	Three(3)
Shure Beta 52 Bass mic	One(1)
Shure SM 99 Condenser Lectern mic	One(1)
Behringer ECM 8000 Condenser RTA mic	One(1)
Astatic 986 hand held	One(1)

Shure MX202B/S condenser choir mic	Seven(7)
Shure 55SH series 2 classic dyn. mic	One(1)
Shure SM7B Voice over mic	One(1)
Realisitc Dynamic Omni Dir. HandHeld	One(1)
Shure Microflex MX418/S Lectern mic	Two(2)
Shure PG Series Drum Mic Kit	
PG 52 Bass Drum Mic	One(1)
PG 56 Tom/Snare Mics	Three(3)
PG 81 Condenser Overhead Mics	Two(2)
Rim Claws	Three(3)

Wireless Microphone Inventory:

Audio Technica 1400 series Receivers	Three(3)
Audio Technica 1400 series Handheld	Two(2)
Audio Technica 1400 series Lapel	One(1)
Shure ULXS J series Receivers	Twelve(12)
Shure ULXS J series SM58 Handheld	Six(6)
Shure ULXS J series Body Pack	Twelve(12)
Countryman B-3 Body Mic (Black)	Twelve(12)
Shure MX184 Lapel Mic	One(1)
Audio Technica AT 892C	Four(4)

Communication:

Clear-Com MS-400 4-Channel Main Station	One(1)
Beltpacks	Ten(10)
Headsets	Fourteen(14)
Handsets	Two(2)
Wall Stations	Six(6)

Main station located stage left. Belt Pack Stations at Stage Right, Stage Left, Fly Rail (2), Orchestra Pit, Follow Spots (2), Lighting Control, Sound Control, Box Office and Dimmer Room. Wall Stations in all Dressing Rooms, Green Room, Load Bay and Technical Office.

WBS-670 Single-Channel Wireless Base Station with Four (4) WTS-670 Beltpacks. WBS Main Station is located at Sound Control.