

WILLIAM
PATERSON
UNIVERSITY

Shea Center for Performing Arts



Technical Specifications

Phone: 973-720-2384

Fax: 973-720-3592

**<http://www.wpunj.edu/wppresents/sheacenter.dot>
schaefera@wpunj.edu**

STAGE

Extended Apron Stage with 21' deep apron located at bottom of steeply stepped house.

Stage floor: Black Duron over plywood over concrete. Good condition.

Stage height is 8"

Proscenium width: 42'

Proscenium height: 19'5"

DS edge to plaster line: 21'

Plaster line to US cages: 19'6"

Apron width (curved): 52' at widest point

SL wing: 15'w x 15'd

SR wing: 10'w x 10'd

Grid height: 32'

A 360 degree video of the stage is available at:

<http://www.youvisit.com/360fullscreen.php?college=wpunj&pano=2518&vhost=wpunj&vhostT=&vhostStyle=>

LOADING DOCK

Located off-SL. Access to stage via scene shop and up a ramp that is 3.5'w with a 16" rise.

Accommodates one truck. Ramp available. Trucks may remain parked in the loading dock at the discretion of Campus Police and the Theatre Manager.

Tour bus may park next to loading dock. No shore power.

Loading dock height: 3'4"

Dock door: 14'h x 8'w

Stage door: 12'7"h x 9'w

ORCHESTRA PIT

Located 5' US of the edge of the apron.

Hydraulic pit operated from SL.

Normally stays at stage level position.

Accommodates about 15 musicians.

Dimensions: 35'w x 9'd (at the widest points)

Down position: 6'8" below stage level

POWER

Company box located directly off-SR near proscenium wall. Approximately 15' of cable required.

3 phase, 400 amps per leg, 5 wire

FLY SYSTEM

Single purchase counterweight system with 16 line sets with an arbor capacity of 1000 lbs.

5 dedicated electrics, 3 dedicated travelers.

Important note: high trim is only 8' above the proscenium. No loading gallery.

Lock rail located SR.

Total weight: 7,760 lbs. (1,484 lbs. available with rep plot in place.)

Battens: 1.5" OD steel, approximately 52' long

High trim: 29'h

Low trim: 5'h

SOFT GOODS

Traveler tracks will not be moved.

Other soft goods may be available, call for specifications.

3 travelers: 21'h x 60'w, black velour, 50% fullness
1 pair of legs: 21'h x 8'w, black velour, 50% fullness
3 borders: 6'h x 52'w, black velour, 50% fullness
1 cyclorama: 19'6h x 45'w white cotton muslin

ADDITIONAL EQUIPMENT

1 - Steinway 9' Concert Grand Piano
1 - Bechstein 9' Concert Grand Piano
120 - black upholstered stacking music chairs
60 - Manhasset black music stands
47 - music stand lights
8 - Wenger Acoustic Shell pieces 13'5"h x 6'w
1 - US Flag
1 - NJ Flag
5 - each Wenger 4' x 8' risers at 8", 16", 24", and 32" rises
6 - folding tables 6' x 2.5'
2 - folding tables 4' x 2'
1 - conductor's podium
1 - conductor's music stand
2 - lecterns
1 - 16' x 10' projection screen on pipe frame
1 - Genie Personnel Lift 30'
Assorted step and extension ladders
Assorted hand and power tools

HOUSE

Capacity: 900 and 6 wheelchairs with 6 companions

- The house is stadium style and completely stepped. The Orchestra has Continental style seating (end aisles only) and the Loge has American style seating (center aisles).
- Due to the large amount of stairs in this theatre the houselights will not blackout completely, and will remain at a glow even when at 0%. There are two marked fire exits on the apron, SL and SR. As per fire laws, no exit or exit sign may be blocked or altered in any way.

DRESSING ROOMS

- Two chorus dressing rooms located off-SR through the Green Room. Each dressing room contains lighted mirrors, stage monitor, wardrobe rack, and toilet facilities, and can accommodate approximately 15 people. There are no showers in the building. Please note that these rooms are not wheelchair accessible. Call if special accommodations are required.
- Green Room area with serving counter located outside dressings rooms. Not suitable for use as additional dressing room space.
- There are no wardrobe facilities located in the theatre. A steamer, iron and ironing board, and basic supplies are available. Laundry facilities are available in an adjacent building.

LIGHTING

Rep Plot:

- A repertory plot adequate for most productions is kept hung at all times.

Dimmers:

- 192 Colortran Dimension Series 2.4kW (18 dimmers are dedicated to house lights)
- Protocol: CMX converted to DMX

Control:

- ETC Element lighting console
- Wireless radio focus remote is available
- An ETC Insight 3 lighting console is also available
- Control Locations: booth (back of house left) or stage right

House Lights:

- Controllable by either push button house light stations or the lighting console

Circuits:

Permanent twist lock L5-20
20A circuits

Circuit Count:

(dimmer schedule available)

Cove: 32

Far Booms: 6 each

Near Booms: 6 each

Tormentors, top: 4 each

Tormentors, bottom: 4 repeating stage left and stage right

Electrics 1-5: 16 each

Followspot Booth: 6

Floor Pockets: 19, some circuits repeat

Twist Lock Cable:

(not in use)

5': 19

10': 13

15': 6

20': 9

25': 22

50': 12

60': 3

75': 1

2-fers: 6

3-fers: 4

Adapters:

Female Twist Lock to male Edison: 4

Male Twist Lock to female Edison: 9

Male Twist Lock to female Stage Pin: 6

Female Edison to male Stage Pin: 2

Male Edison to female Stage Pin: 5

Front of House Positions:

Cove: 32' to downstage edge (20 degree angle), 42' to plaster line (45 degree angle)

Tormentors: 13' to plaster line

Near Booms: 21' to plaster line
Far Booms: 20' to downstage edge, 40' to plaster line

Instrument Inventory:

105 - ETC Source Four bodies lamped with HPL575
5 - degree barrels: 4
19 - degree barrels: 23
26 - degree barrels: 44
36 - degree barrels: 39
50 - degree barrels: 3
61 - ETC Source Four Par
27 - ETC Source Four ParNel
12 - Altman 360 Q Series 6x9 ERS, 750W FLK
8 - Altman 360 Q Series 6x16 ERS, 750W FLK
6 - Altman 360 Q Series 6x22 ERS, 750W FLK
4 - Colortran Far Cyc Units, four circuit, 1000W FFT

Followspot Booth:

Open booth located center, above Loge.
Throw: approximately 90' from plaster line

Followspots:

2 - Lycian Superstar 1.2 followspots, 1200W HMI, 5600 degree K

Additional Lighting Accessories:

8 - Apollo Smart Color Pro Scrollers 7.25"
top hats: 20 - 6"
barn doors: 15 - 6"
booms: 6
side arms: 38

SOUND

Mix Positions:

Mail Control Room is located in the rear of house left. Touring consoles may be placed in the transverse aisle, house left. A tie in to our cluster is available and encouraged.

Mixing Console:

Yamaha M7-CL configured for left-center-right FOH and 6 monitor mixes

Speakers:

Center cluster (mono)
2 - EAW KF650 cabinets
2 - EAW CH491 downfill cabinets
1 - EAW BV525 bass cabinet (dual 15" drivers)

House Side Fills (stereo)

1 - EAW JF200e 2-way cabinet per side

Delay Ring (mono)

4 - EAW MK2194 cabinets

Monitors:

6 - EAW SM122E wedge monitors
4 - EV FM12-24 wedge monitors
2 - Galaxy Audio hotspot monitors

Monitors are run from FOH console on four mixes. Each mix has dedicated graphic EQ.

Microphones:

- 7 - Sennheiser MD 421-4 cardioid dynamic microphones
- 14 - Shure SM58 cardioid dynamic microphones
- 3 - Shure Beta 58 super cardioid dynamic microphones
- 4 - Shure SCX2 UHF wireless SM58 microphone
- 8 - Shure SLX1 UHF body pack wireless lavalier transmitters (shares 4 receivers with sm58s)
- 5 - Shure LX1 wireless lavalier transmitter
- 2 - Shure SM58LX VHF wireless microphone
- 5 - Countryman B3W4 Isomax clip-on lavalier
- 3 - Countryman E6 Isomax ear set microphone
- 6 - Shure WL93 omnidirectional micro-miniature lavalier capsule
- 6 - Shure SM57 cardioid dynamic microphone
- 2 - Shure Beta 57A super cardioid dynamic microphone
- 3 - Shure SM7 cardioid dynamic microphone
- 2 - AKG 214 cardioid condenser microphone
- 4 - Shure SM81 condenser microphone
- 2 - Neumann DM184 condenser microphones (matched pair)
- 5 - Electro Voice RE-20 cardioid dynamic microphones
- 1 - AKG D112 dynamic microphone
- 3 - Sennheiser e604 clip on drum microphone
- 2 - SM99 condenser lectern microphone
- 1 - MX418 condenser lectern microphone
- 3 - Crown PCC 160 microphone
- 1 - Countryman direct box
- 3 - Stewart ADB1 direct box
- 3 - Whirlwind direct box
- 2 - Whirlwind PC-DI direct box
- 2 - AKG C3000 (permanently hung from cove)
- 2 - PZM pressure zone microphones

Wireless Receivers:

- 10 - Shure LX Series Diversity Wireless System (6 lavalier, 2 handheld) operates on fixed frequencies
- 8 - Shure SLX4 UHF Wireless System (4 lavalier, 4 handheld) frequency agile
- 2 - Shure UA844 UHF Antenna Distributor
- 3 - Telex AD-200 VHF Antenna Splitter

Playback and Recording:

- Marantz Professional Dual cassette deck PMD520 (both wells play and record)
- HHb Burn-In Plus CD Recorder
- Denon DNC-630 CD Player
- Denon DNC-635 CD Player
- Apple Mac Pro computer with Logic Pro installed
- MOTU 828mkII Firewire recording interface
- 2 - MOTU 896HD Firewire recording interface
- 2 - Mackie HR624 studio monitors

- Aux 7-8 allows for a separate recording mix and feeds all recorders, assisted listening system, and is patchable for additional uses.
- Up to 40 channels can be tracked to hard disk from isolated split before mixing board.
- A feed to the recording studio in the basement is also available.

Processing:

- Internal processing from Yamaha M7-CL
- 4 - DN360 stereo Klark Teknik 30-band graphic equalizers
- 1 - DN410 5-10 band (dual-single) Parametric equalize

Drive Rack:

X-over: Ashly XR2001 Active Crossover (3-way)
Main Subs: MacroTech 2400
Main Mids: MacroTech 1200
Main Horns: MacroTech 600
FOH fills: MacroTech 1200
Delay Ring: MicroTech 1000
Downfill: Crown XTi 2000
Aux 1-3: MacroTech 600
Aux 4: MicroTech 600
Aux 5-6: Crown Xti 4002
70v: Architectual Acoustics UMAZ52

Wiring:

48 - input, 8 return XLR jack field located off-SL
2 - XLR inputs located center stage on orchestra pit
2 - XLR crossover from SR to SL
8 - channel XLR crossover from SR to SL
4 - channel ¼" crossover from SR to SL

Cables:

sufficient mic, monitor and instrument cables for most set-ups

XLR cables:

4 - 5'
3 - 10'
4 - 15'
4 - 20'
7 - 25'
18 - 30'
10 - 50'

Speaker cables:

11 - short single channel NL4
12 - long single channel NL4

9 - ¼" cables of varied lengths

Adapters:

(1) 2 to 1 Stereo to Mono Combiner
(1) Line Matching Transformer
assortment of XLR and NL4 turn-arounds

Accessories:

27 - folding, tripod tall-boom mic stands
4 - folding, tripod short-boom mic stands
6 - table-top mic stands
3 - straight round base mic stand
4 - straight triangular base mic stand with grip-adjusting height
1 - telescoping Shure tripod stand
3 - Conquest Sound 6 channel two-way splitter boxes (unbuffered)
1 - stereo bar
1 - 24 channel 125' snake

- 1 - 9 channel 150' snake
- 1 - 16 channel snake, 100'
- 1 - Mini6 6-channel 50' snake
- 1 - Mini12 12-channel 75' snake
- 1 - Stereo XLR 100'
- 1 - Stereo XLR 50'

Paging System:

Located in Auxiliary Control Room. Feeds dressing rooms, Green Room, SR, SL and Scene Shop. Stage monitor and page mic. Video monitors available in Green Room, Control Room, Aux Control, SR, SL, Crew Shop & Lobby.

Headsets:

- 11 - belt packs
- 12 - single muff headsets
- 2 - phone style handset

- Clearcom intercom system, hard wired to all operating positions including the control rooms, followspot booth, stage left, pin rail/stage right, Green Room and cove.

Assisted Listening System:

- 10 - HDI 830 personal listening units.
- 6 - SZI 1015 Infrared transmitters; 3 above center cluster, 3 along delay ring
- 1 - SI 1015/NT Master Modulator
- Feed is from the house recording mix.

MISCELLANEOUS

- Stage crew is a combination of trained students and freelance professionals.
- Large classrooms may be available for rehearsal rooms. Call for details.
- Smoking is prohibited by law in all University facilities, therefore no smoking is allowed anywhere in the building. Eating and drinking in the house is not permitted, except for water purchased at the venue.
- The house opens half an hour before curtain.
- A prerecorded safety announcement will be played within five minutes of curtain, as per fire regulations.
- The house receives a 20% commission from all lobby and merchandise sales.
- See Shea Rules and Regulations for other policies.

CONTACTS

Jane Stein, Executive Director of Performing Arts: 973-720-3845 steinj7@wpunj.edu
Al Schaefer, Director of Operations: 973-720-2384 schaefera@wpunj.edu
Lou Hamel, Director Audience Services: 973-720-2783 hamell@wpunj.edu
Box Office: 973-720-2371
Backstage: 973-720-2269
Campus Police: 973-720-2300

ACCOMMODATIONS

La Quinta Inn & Suites Fairfield (7.7 miles from campus)

38 Two Bridges Rd

Fairfield, NJ 07004

Phone: 1-973-575-1742

Fax: 1-973-575-9567

<http://www.lq.com/lq/properties/propertyProfile.do?ident=LQ7701&propId=7701>

BEST WESTERN PLUS (6.6 miles from campus)

Fairfield Executive Inn

216 Route 46 E #234

Fairfield, New Jersey, 07004-2324,

Phone: 973/575-7700

Fax: 973/575-4653

<http://bwfei.com/>