



WILLIAM PATERSON UNIVERSITY

Shea Center for Performing Arts

Technical Specifications

Phone: 973-720-2384

Fax: 973-720-3592

Wppresents.org

schaefera@wpunj.edu

STAGE



Extended apron stage with 21'-0" deep apron located at bottom of steeply stepped house. Stage floor is black hardboard over plywood over concrete, in good condition. A 360-degree video of the stage is available at: youvisit.com/tour/panoramas/60013/80305?id=211052. Select Shea Auditorium from the scroll bar on the right.

Stage height: 0'-8"

Proscenium width: 42'-0"

Proscenium height: 19'-5"

Downstage edge to plaster line: 21'-0"

Plaster line to upstage cages: 19'-6"

Apron width (curved): 52'-0" at widest point

Stage left wing: 15'-0" w x 15'-0" d

Stage right wing: 10'-0" w x 10'-0" d

Grid height: 32'-0"

LOADING DOCK

Located off stage left with access to the stage through scene shop and up a ramp that is 3.5'-0" w with a 0'-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. There is no shore power.

Loading dock height: 3'-4"

Dock door: 14'-0" h x 8'-0" w

Stage door: 12'-7" h x 9'-0" w

ORCHESTRA PIT

Hydraulic pit operated from stage left. Located 5'-0" upstage of the edge of the apron. Normally stays at stage level position. Accommodates about 15 musicians.

Dimensions: 35'-0" w x 9'-0" d (at the widest points)

Down position: 6'-8" below stage level

POWER

Company box located directly off stage right near proscenium wall. Approximately 15'-0" of cable required. 3-phase, 400 amps per leg, 5-wire

Revised 1/26/22

FLY SYSTEM

Single purchase counterweight system with 16 line sets each with an arbor capacity of 1000 lbs. 5 dedicated electrics, 3 dedicated travelers. **Important note: high trim is only 8' above the proscenium.** There is no loading gallery. Lock rail located stage right.

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

Battens: 0'-1.5" OD steel, approximately 52'-0" long

High trim: 29'-0"h

Low trim: 5'-0"h

SOFT GOODS

Travelers and their tracks will not be moved.

3 travelers: 21'-0"h x 60'-0"w, black velour, 50% fullness

1 pair of legs: 21'-0"h x 8'-0"w, black velour, 50% fullness (additional set of legs available)

3 borders: 6'-0"h x 52'-0"w, black velour, 50% fullness

1 cyclorama: 19'6"h x 45'-0"w, white cotton muslin

ADDITIONAL EQUIPMENT

1 - Steinway 9'-0" concert grand piano

1 - Bechstein 9'-0" concert grand piano

110 - black upholstered stacking music chairs

60 - Manhasset black music stands

40 - wired music stand lights

11 - wireless LED music stand lights

9 - wireless LED music stand lights

8 - Wenger Acoustic Shell pieces 13'5"h x 6'-0"w

1 - US Flag

1 - NJ Flag

5 - each Wenger 4'-0" x 8'-0" risers at 0'-8", 0'-16", 0'-24", and 0'-32" rises

6 - folding tables 6'-0" x 2'-6"

2 - folding tables 4'-0" x 2'-0"

1 - conductor's podium

1 - conductor's music stand

2 - lecterns

1 - 10'-0" x 16'-0" white projection screen on pipe frame

1 - Genie Personnel Lift 30'-0"

Assorted step and extension ladders

Assorted hand and power tools

PROJECTION

Note that the entire house is stepped with no projection booth or good options for front of house projection.

1 – Epson 12K Lumens PowerLite Pro L1500UHNL projector with short throw lens V12H004UA3 mounted on first electric. Produces an approximately 35' image on the cyc.

1 – 10'x 16' white perforated front projection screen

1 – 12'x 16' grey rear projections screen

1– 16'x 16' black rear projection screen

HOUSE

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 number 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, stage left and stage right. As per fire laws, no exit or exit sign may be blocked or altered in any way.

Capacity: 900 and 6 wheelchairs with 6 companions

DRESSING ROOMS

There are 2 chorus dressing rooms located off stage right, through the Green Room. Each dressing room contains lighted mirrors, stage monitor, wardrobe rack, 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 is located outside of the dressing rooms. It is not suitable for use as an 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. Download at:
<http://www.wpunj.edu/wppresents/visitor-info/shea-center.dot>

Dimmers:

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

Control:

ETC Element lighting console
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
Follow spot Booth: 6
Floor Pockets: 19, some circuits repeat

Twist Lock Cable:

(not in use)
19 - 5'

Revised 1/26/22

13 - 10'
6 - 15'
9 - 20'
22 - 25'
12 - 50'
3 - 60'
1 - 75'
6 - 2-fers
4 - 3-fers

Adapters:

4 - female twist lock to male edison
9 - male twist lock to female edison
6 - male twist lock to female stage Pin
2 - female edison to male stage Pin
5 - male edison to female stage Pin

Front of House Positions:

Cove: 32'-0" to downstage edge (20-degree angle), 42'-0" to plaster line (45-degree angle)

Tormentors: 13'-0" to plaster line

Near Booms: 21'-0" to plaster line

Far Booms: 20'-0" to downstage edge, 40'-0" to plaster line

Instrument Inventory:

143 - ETC Source Four bodies lamped with HPL 575

4 - 5-degree

22 - 19-degree

64 - 26-degree

51 - 36-degree

63 - ETC Source Four Par

31 - ETC Source Four ParNel

4 - Chauvet Pro Rouge R1 Spot Moving Lights

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

Extra Barrels:

4 - 19-degree

13 - 26-degree

10 - 36-degree

4 - 50-degree

Follow Spot Booth:

Open booth located center, above Loge

Throw: approximately 90' from plaster line

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

Additional Lighting Accessories:

8 - Apollo Smart Color Pro Scrollers 7.25"

20 - 6" top hats

15 - 6" barn doors

6 - booms

38 - side arms

Revised 1/26/22

HAZE AND FOG

Great discretion must be used with Haze and fog effects to avoid setting off the fire alarms. University policy prohibits silencing /disabling the fire alarm system as well as covering or otherwise tampering with smoke detectors. The stage right door to the dressing room area must be kept closed during the use of haze/fog.

SOUND

Mix Positions:

Main control room is located in the rear of house left. Console may be placed in the transverse aisle, house left.

Mixing Console and Audio I/O:

Yamaha CL-5 with Dante network

Yamaha Rio3224-D2 mounted stage left (32 XLR inputs and 16 XLR Line outputs)

Yamaha Rio1608-D2 can be placed anywhere in theater (16 inputs and 8 outputs)

PA System:

L-Acoustic stereo line array, 8 x A15 full range speakers splitting either side of the proscenium (3 focus + 1 wide boxes/side).

4 x KS21 subwoofers, split to each side of the desk. 2 x L-Acoustic X8 delay speakers, splitting center to cover loge corners Powered by 4 x LA4X amplifiers.

Two QSC K8 powered loudspeakers and QSC KW181 powered subwoofers are also available (speaker stands/sub pole mounted)

Stage Monitor System: All powered monitors use 4 x Crown XT14002 Amplifiers

5 - EAW SM122E wedge monitors

2 – EAW 129zi wedge monitors

4 - Community MX10 wedge monitors

4 - EV FM12-24 wedge monitors

2 - Galaxy Audio hotspot monitors (powered)

4 - JBL PRX 712 (powered)

2 - QSC K8 (powered)

Wired Microphones/DIs : (may change, email for latest mic list)

12 - Shure SM58 cardioid dynamic microphones

4 - Shure Beta 58 super cardioid dynamic microphones

4 - Shure SM57 cardioid dynamic microphone

2 - Shure Beta 57A super cardioid dynamic microphone

2 - Shure SM7 cardioid dynamic microphone

8 - Sennheiser MD 421-4 cardioid dynamic microphones

1 - Sennheiser e845 dynamic microphone

1 - Sennheiser e609 dynamic microphone

3 - Sennheiser e604 clip on drum microphone

3 - Sennheiser ME67 shotgun microphones

1 - Telefunken M80 supercardioid dynamic microphone

2 - Telefunken M82 cardioid dynamic microphones

2 - Electro Voice RE-20 cardioid dynamic microphones

1 - AKG D112 dynamic microphone

1 - Audix D6 dynamic microphone

- 2- DPA 4099 (piano mounts only)
- 1 - Neumann KMS 105 supercardioid microphone
- 2 - AKG C214 cardioid condenser microphone
- 4 - Shure SM81 condenser microphone
- 2 - Neumann KM184 condenser microphones (matched pair)
- 2 - Shure MX418 condenser lectern microphone
- 3 - Crown PCC 160 boundary microphones
- 8 - Audio Technica Pro 45 hanging choir mics
- 2 - Countryman Director direct boxes
- 4 - Radial ProD2 stereo ¼" DI
- 2 - Radial ProDI mono ¼" DI
- 1 - Radial Multimedia DI
- 3 - Whirlwind instrument direct box
- 2 - Whirlwind PC-DI direct box
- 2 - AKG C3000 (permanently hung from cove)
- 5 - Countryman B3W4 Isomax clip-on lavalier (black)
- 3 - Countryman E6 Isomax ear set microphone (tan)
- 6 - Point Source Audio CO-3-SH Earworn Microphone (tan)
- 2 - Shure WL93 omnidirectional micro-miniature lavalier capsule

Wireless Microphone System:

- 1 -Shure ULXD4D Two channel receiver
with 2 Shure ULXD2 Handheld SM58 transmitters
- 3 - Shure ULXS receivers
with 3 Shure ULXS Handheld SM58 transmitters
- 8 - Shure SLX4 UHF Receivers
with 5 SLX2 Handheld SM58 transmitters and 8 SLX1 body pack transmitters
- 1 - RF Venue Diversity Fin Antenna hanging from the cove

Playback and Recording:

- 1 - 2020 iMac with Dante Virtual Soundcard and DAW software (Pro Tools, Nuendo, Reaper)
- 1 - Denon DNC-630 CD Player
- 1 - Denon DNC-635 CD Player

Accessories:

- 27 - KM folding, tripod tall-boom mic stands
- 7 - 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 - tall telescoping Shure tripod stand
- 3 - Conquest Sound 6 channel two-way splitter boxes (unbuffered)
- 1 - stereo bar

Audio Cables:

- XLR
- 10' - 11 cables
- 15' - 9 cables
- 20' - 7 cables
- 25' - 10 cables
- 30' - 9 cables
- 50' - 11 cables
- stereo cables - 3 various lengths

Revised 1/26/22

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'

Speaker cables

11 - short single channel NL4
12 - long single channel NL4
11 - ¼" cables of varied lengths

Various lengths of ¼" cables

Adapters:

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

Cables:

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

XLR cables:

3 - 5'
6 - 10'
11 - 20'
11 - 25'
15 - 30'
14 - 50'

Speaker cables:

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

11 - 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

Revised 1/26/22

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.
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

Al Schaefer, Director of Operations: 973-720-2384 | schaefera@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
www.lq.com/lq/properties/propertyProfile.do?ident=LQ7701&propId=7701

Revised 1/26/22

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
bwfei.com