



# WILLIAM PATERSON UNIVERSITY

## *Shea Center for Performing Arts*

### Technical Specifications

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[wp-presents.org](http://wp-presents.org)

## **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.

- 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. Tour bus may park next to loading dock. Sorry, no shore power is available. Cars may park in the adjacent parking lot.

- 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

## **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

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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

Steel: Four oversize structural beams run upstage/downstage. Flange is 11 5/8". Beams are 12' 6" apart and split center (6'3" off center).

### **SOFT GOODS**

Travelers and their tracks will not be moved.

- 3 travelers: 21'-0"h x 60'-0"w, IHR black velour, 50% fullness
- 1 pair of legs: 21'-0"h x 8'-0"w, IHR black velour, 50% fullness (additional set of legs available)
- 3 borders: 6'-0"h x 52'-0"w, IHR black velour, 50% fullness
- 1 cyclorama: 19'6"h x 45'-0"w, white cotton muslin

### **ADDITIONAL EQUIPMENT**

1 - Steinway D concert grand piano  
110 - black upholstered stacking music chairs  
5 - each Wenger 4'-0" x 8'-0" risers at 0'-8", 0'-16", 0'-24", and 0'-32" rises  
60 - Manhasset black music stands  
40 - wired music stand lights  
10 - wireless LED music stand lights  
8 - Wenger Acoustic Shell pieces 13'5"h x 6'-0"w  
1 - US Flag  
1 - NJ Flag  
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 - 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 L1500UHL 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

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## **DRESSING ROOMS**

There are two recently renovated chorus style dressing rooms located off stage right, through the Green Room. Each dressing room contains lighted mirrors, stage monitor, wardrobe rack, shower, toilet facilities, and can accommodate approximately eight to fifteen people. 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 always hung.

### Dimmers:

- 192 Colortran Dimension Series 2.4kW (18 dimmers are dedicated to house lights)

Protocol: CMX converted to DMX

### Control:

- ETC Element II lighting console
- Control Locations: booth (back of house left) or stage right
- iPad remote control

### 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

### 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:

- 20- Chauvet COLORado LED Zoom PARs
- 4 - Chauvet Pro Rouge R1 Spot Moving Lights

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- 4 Chauvet Rogue R1X Spot @ 319w
- 12- Elation Seven Batten 72 cyc lights (6 hung, 6 available for ground row or other use)
- 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
- 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

#### 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 factory refurbished followspots, 1200W HMI, 5600-degree K

#### Additional Lighting Accessories:

- 20 – 6" top hats
- 15 - 6" barn doors
- 6 - booms
- 38 - side arms

### **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 DM7 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)

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Stage Monitor System: All non-powered monitors use 4 x Crown XTI4002 Amplifiers

**Monitor Console- Yamaha CL5**

- 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: (may change, email for latest mic list)

- 12 - Shure SM58 cardioid dynamic microphones
- 4 - Shure Beta 58 super cardioid dynamic microphones
- 2- Shure SM57 cardioid dynamic microphone
- 2 - Shure Beta 57A super cardioid dynamic microphone
- 2 - Shure SM7 cardioid dynamic microphone
- 2- Shure Nexadyne 5 guitar amp microphone
- - Shure Nexadyne 6 drum microphone
- 1 – Shure Beta 52A kick drum 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
- 2 - Telefunken M80 supercardioid dynamic microphone
- 2 - Telefunken M82 cardioid dynamic microphones
- 5 - 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

Direct Boxes:

- 5 - Radial ProD2 stereo ¼" DI
- 2 - Radial ProDI mono ¼" DI
- 1 - Whirlwind instrument direct box
- 3 - Whirlwind PC-DI direct box

Wireless Microphone System:

- 1 -Shure ULXD4D Two channel receiver
- 5- Shure ULXD4Q Quad receivers
- 18- Shure ULXD2/SM58 Handheld SM58 transmitters
- 18- Shure ULXD1 Body Pack transmitters

Mics for Body Packs

- 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)
- - Shure WL93 omnidirectional micro-miniature lavalier capsule
- 8- Shure Duraplex Headset., Tan, Omni
- 1 - RF Venue Diversity Fin Antenna hanging from the cove

#### Playback and Recording:

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

#### Accessories:

- 21- KM folding, tripod tall-boom mic stands
- 7 - folding, tripod short-boom mic stands
- 6 - table-top mic stands
- 4 - 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:

- Sufficient mic, instrument and speaker cables for most events

#### Adapters:

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

#### Paging System:

Located in Auxiliary Control Room. Feeds dressing rooms, Green Room, SR, SL and Crew room. 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.
- Sufficient crew breaks must be factored into all production schedules.
- William Paterson University is a smoke free campus.
- The house typically opens half an hour before curtain.
- A prerecorded safety announcement will be played within five minutes of curtain, as per fire regulations.

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- The house receives a 20% commission from all lobby and merchandise sales.
- A concession stand selling hot and cold beverages as well as snacks is open for most events. A beer and wine bar operated by the university food service is present at some events. Outside rentals can request this service.

### **CONTACTS**

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Box Office: 973-720-2371

Campus Police: 973-720-2300

### **ACCOMMODATIONS**

Best Western Plus (6.6 miles from campus)- Fairfield Executive Inn

216 Route 46 E #234, Fairfield, New Jersey, 07004-2324

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[bwfei.com](http://bwfei.com)