

**WILLIAM
PATERSON
UNIVERSITY**

**Shea Center
for Performing Arts**

Technical Specifications

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STAGE DIMENSIONS

The theatre is a modified proscenium, and the proscenium itself is a curved plaster acoustic panel. The stage floor is duron over plywood over concrete, and is in good condition. The stage height is 8" above the first row of seating.

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'

LOADING DOCK

The loading dock is located off-SL, and accesses the stage through the scene shop and up a ramp that is 3.5'w with a 16" rise. It will accommodate one truck. A ramp from ground level to dock height is available. Trucks may remain parked in the loading dock at the discretion of Campus Police and the Theatre Manager.

Loading dock height: 3'4"
 Dock door: 14'h x 8'w
 Stage door: 12'7"h x 9'w

ORCHESTRA PIT

The orchestra pit is located 5' US of the edge of the apron. It is hydraulic and may be operated during a performance. The pit is generally kept in the up/stage level position. It can accommodate about 15 musicians.

Dimensions: 35'w x 9'd (at the widest points)
 Down position: 6'8" below stage level

POWER

The tie-in is located off-SR. Approximately 25' of cable required from tie-in to distro location.

3 phase, 400 amps per leg, 5 wire

FLY SYSTEM

The fly system is a single purchase counterweight system with 16 line sets with an arbor capacity of 1000 lbs. each (5 dedicated electrics, 3 dedicated travelers). The fly system is extremely limited as the high trim is only 8' above the proscenium. There is no loading gallery. The lock rail is located SR.

Available weight: 6836 lbs
 Battens: 1.5" OD steel, approximately 52' long
 High trim: 29'h
 Low trim: 5'h

SOFT GOODS

Traveler tracks will not be moved. All soft goods are free to be moved, but must be returned to their regular position during strike. 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
 1 Rodgers Concert Organ
 98 Wenger blue 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
 1 conductor's podium
 1 conductor's music stand
 2 lecterns
 1 Genie Personnel Lift 30'
 assorted step and extension ladders
 assorted hand and power tools

HOUSE

Capacity: 922 and 10 wheelchairs with 8 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

- There is one Men's dressing room and one Women's dressing room 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.
- The Green Room is a large corridor between the stage and the dressings rooms. A passenger elevator at the end of the Green Room serves as the handicapped seating entrance, making it unsuitable for use as a dressing room or for other private activities.
- 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.

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 announcement concerning house policies 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.

LIGHTING

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 using CMX protocol

DMX converter available

Control:

ETC Insight 3 lighting console, 512 channels, 108 faders/submasters

Wired remote focus unit available

Moving light module

Control Locations:

Main Control Room at back of house left

House Lights:

Controlled by either push button house light stations or the lighting console

Circuits:

Permanent twist lock L5-20

Dimmer per circuit

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': 15

10': 18

15': 6

20': 9

25': 22

50': 12

60': 3

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

2 Altman 6" fresnels, 750W BTN

3 Scoops, 1000W BTR

Followspot Booth:

permanent platform mounted from the ceiling against the back wall of the house
throw is approximately 90' from plaster line

Followspots:

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

Additional Lighting Hardware:

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:

Crest X-Eight, 44 x 8 x 3, configured for left-center-right FOH and 4 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

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

Microphones:

7 - Sennheiser MD 421-4 cardioid dynamic microphones

12 - Shure SM58 cardioid dynamic microphones

4 - Shure Beta 58 super cardioid dynamic microphones

4 - Shure SCX2 UHF wireless SM58 microphone

4 - Shure SLX1 UHF body pack wireless lavalier transmitter

6 - Shure LX1 wireless lavalier transmitter

2 - Shure SM58LX VHF wireless microphone

3 - Countryman E6 Isomax ear set microphone

10 - Shure WL93 omnidirectional micro-miniature lavalier capsule

4 - Shure SM57 cardioid dynamic microphone

2 - Shure Beta 57A super cardioid dynamic microphone

5 - Shure SM7 cardioid dynamic microphone

4 - Shure SM81 condenser microphone

2 - Neumann DM184 condenser microphones (matched pair)

6 - Electro Voice RE-20 cardioid dynamic microphones

1 - AKG D112 dynamic microphone

2 - SM99 condenser lectern microphone

1 - MX418 condenser lectern microphone

3 - Crown PCC 160 microphone

1 - Countryman direct box

4 - Stewart ADB1 direct box

2 - Whirlwind PC-DI direct box

2 - SKG 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 DNC630 CD Player

Apple iMac G5 computer

MOTU 828mkII Firewire recording interface

2 - MOTU 896HD Firewire recording interface

Mackie HR624 studio monitors

- Aux 7-8 allows for a separate recording mix and feeds all recorders, hearing assist system, and is patchable for additional uses.
- Up to 10 channels can be tracked to hard disk.
- A feed to our professional 24-track recording studio is available.

Processing:

- 3 - DBX 166 Stereo Compressor/Limiter/Gate
- 1 - PreSonus ACP88 8-channel Compressor/Limiter/Gate
- 4 - DN360 stereo Klark Teknik 30-band graphic equalizers
- 1 - DN410 5-10 band (dual-single) Parametric equalizer
- 1 - Lexicon MPX500 effects unit
- 1 - Yamaha SPX-2000 effects unit
- 1 - Sabine DQX-206 Delay Line
- 1 - Rane Ad22d Delay Line
- 1 - Peavey Delay Line
- 1 - Neutrik ¼" patch bay
- 2 - ADC TT patch bays

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
- 70v: Architectural Acoustics UMAZ52

Wiring:

- 48 input, 8 return XLR jack field located off-SL
- 2 XLR inputs located center stage on orchestra pit
- 1 XLR input located off-SR (Additional 2-XLR crossover cable also available SR)

Cables:

- sufficient mic, monitor and instrument cables for most set-ups
- XLR:
- NL-4:
- ¼ to ?:
- turnarounds:
- other adaptors:

Accessories:

28 folding, tripod tall-boom mic stands
 6 folding, tripod short-boom mic stands
 6 table-top mic stands
 1 straight round base mic stand
 3 Conquest Sound 6 channel two-way splitter boxes (unbuffered)
 1 24 channel 125' snake
 1 Wireworks 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 Rooms, SR, SL, and scene shop.

Headsets:

15 belt packs
 14 single muff headsets
 3 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.

CONTACTS

Al Schaefer, Director of Operations:	973-720-2384	schaefera@wpunj.edu
Stu Burrows, Production Manager:	973-720-2384	burrowss1@wpunj.edu
Lou Hamel, Director Audience Services:	973-720-2783	hamell@wpunj.edu
Box Office:	973-720-2371	
Backstage:	973-720-2269	
Campus Information Desk:	973-720-2292	
Campus Police:	973-720-2300	

ACCOMMODATIONS

La Quinta Inn & Suites
 1850 Route 23N at Ratzler Road
 Wayne, NJ 07470
 Phone: 973-696-8050
 Fax: 973-696-0682
www.lq.com/lq/properties/propertyProfile.do?ident=LQ7702&propId=7702

Holiday Inn

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Fax: 973-785-3031

www.basshotels.com/holiday-inn?_franchisee=TOTNJ