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# Bicknell Family Center for the Arts

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## Linda & Lee Scott Performance Hall Technical Specs

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### **Bicknell Family Center for the Arts Mission Statement:**

The staff of the Bicknell Family Center for the Arts strives to make everyone's experience special as we produce and help others to produce great concerts, theatrical productions, and special events for our campus, community, and region.

### **Bicknell Family Center for the Arts Vision Statement:**

We will support the continued development of the Center, the Center's programs, and the programs of our campus and community partners to expand the cultural and educational experience in Southeast Kansas.



*Last Updated 10/26/2020*

*Welcome to the  
BICKNELL FAMILY CENTER FOR THE ARTS  
AT PITTSBURG STATE UNIVERSITY*

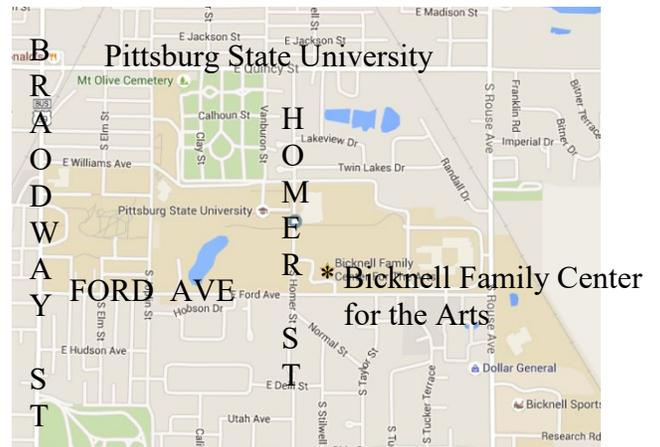
The Bicknell Family Center for the Arts at Pittsburg State University (BFCFA) serves PSU and the Pittsburg State University Community. It is the home for great concerts and theatrical productions and events in the Linda & Lee Scott Performance Hall, Dotty and Bill Miller Theater, Paul Bergant Family Lobby, and the Dean Family VIP Room, an Art Gallery, and a Large Rehearsal Space.

The Bicknell Center provides a variety of services to help make your event successful. We welcome you and your group to enjoy using this excellent facility for your upcoming events as we help you make your event something great.

*Directions and Parking*



*Regional Map*



*University Map*

The Bicknell Family Center for the Arts is located in the heart of Pittsburg State University's Campus on the Northeast corner of the Ford Ave (East-West Road) and Homer St. (North-South Road) intersection. Parking is located to the North of the Bicknell Center and South of the Weede/Plaster Athletic Buildings. The Center's distinctive curved glass wall front faces west to Homer St.

**Our Address is:**

Bicknell Family Center for the Arts  
1711 S. Homer St.  
Pittsburg, KS 66762

Your GPS should bring you right to us at that address.

**Parking** includes a semi-truck dock that can fit three semi-trucks. Three built-in dock levelers and one dock ramp are available for four trucks to be unloaded at the same time.

There is also a concrete pad on the East side of the building that can accommodate two tour buses.

The north side of the Center also has **shore-power** for two busses (one at the Dock near the handicap entry ramp and one at the Northeast corner of the Center by the concrete pad). The Dock also has



video, and audio outputs run from the Main Stage.



*Aerial View of Center from the Southwest. You can see Ford Ave to the bottom right and Homer St. to the bottom left of the photo*



*View of the Center from the intersection of Ford Ave and Homer St.*

## **Directions**

### **From Kansas City MO International Air Port (The North) 2 h 22 min (152 miles)**

1. After leaving the AirPort Loop Continue straight onto L P Cookingham Dr 1.3 mi
2. Continue onto NW 120th St 0.7 mi
3. Turn left onto the I-29 W/US-71 W ramp to I-435 W 0.2 mi
4. Merge onto I-29 N/US-71 N 3.4 mi
5. Take exit 17 for I-435 S toward Topeka 0.8 mi
6. Continue onto I-435 S Entering Kansas 32.6 mi
7. Use the right lane to take exit 81 for US-69 N/US-69 S 0.6 mi
8. Use the right lane to keep right at the fork and follow signs for I 69 S/College Boulevard 0.2 mi

9. Keep right to continue toward US-69 S 1.0 mi
10. Keep left, follow signs for Hwy 69 S and merge onto US-69 S 2.9 mi
11. Keep left to stay on US-69 S 102 mi
12. Continue on N Broadway St. Drive to S Homer St 13 min (4.2 mi)
13. Continue straight onto N Broadway St 3.6 mi
14. Turn left onto E Ford Ave 0.6 mi
15. Turn left onto S Homer St Destination will be on the right 279 ft

### **From Tulsa OK International Airport (The South) 2 h 3 min (133 miles)**

1. Head northwest on Airport Dr 0.2 mi
2. Merge onto E 176th St N 266 ft
3. Continue onto N 75th E Ave 0.1 mi
4. Continue onto E Hw412Wb Exd 223 ft
5. Continue onto E Young St 0.2 mi
6. Continue onto Airport Dr 180 ft
7. Turn right onto E Virgin St 0.1 mi
8. Turn left to merge onto OK-11 E toward I-244/Tulsa/Joplin 0.2 mi
9. Take I-44 E to US-166 W/US-400 W in Five Mile Township. Take exit 1 from I-44 E 1 h 22 min (98.4 mi)
10. Merge onto OK-11 E 1.2 mi
11. Use the left lane to merge onto I-244 E/US-412 E toward US-169/Joplin 4.1 mi
12. Merge onto I-44 E/US-412 E 4.2 mi
13. Use the right 2 lanes to take the I-44 E exit toward Joplin/Turnpike Toll road 1.1 mi
14. Continue onto I-44 E Toll road Entering Missouri 87.6 mi
15. Take exit 1 for US-400 W/US-166 W toward Baxter Springs/Kansas Toll road 0.2 mi
16. Turn left onto US-166 W/US-400 W 0.3 mi
17. At the traffic circle, take the 2nd exit and stay on US-166 W/US-400 W Entering Kansas 2.2 mi



18. Turn left to stay on US-166 W/US-400 W 3.2 mi
19. Turn right onto US-400 W 3.1 mi
20. Turn right onto US-400 W/US-69 ALT N 1.8 mi
21. At the traffic circle, take the 2nd exit and stay on US-400 W/US-69 ALT N Continue to follow US-400 W 18.4 mi
22. Continue onto US-160 E/US-69 N 3.0 mi
23. Turn right onto W Centennial Dr 0.1 mi
24. Turn left onto S Broadway St 0.5 mi
25. Turn right onto E Ford Ave 0.6 mi
26. Turn left onto S Homer St Destination will be on the right 279 ft

**From Springfield-Branson MO National Airport (The East) 1 h 31 min (88.1 miles)**

1. Continue to North Campbell No. 3B Township 3 min (1.1 mi)
2. Head south Partial restricted usage road
3. 305 ft Turn left 0.3 mi
4. Turn left 0.7 mi
5. Take US-160 W, Missouri K, US-160 W, and MO-126 W to S 260th St in Baker
6. 1 h 32 min (78.9 mi)
7. Turn right onto W Division St 0.3 mi
8. At the traffic circle, take the 2nd exit onto State Hwy EE W/N Kaylor Rd
9. Continue to follow State Hwy EE W 2.5 mi
10. Turn right onto N State Hwy Ab 2.4 mi
11. Turn right to stay on N State Hwy Ab 1.7 mi
12. Turn left onto US-160 W
13. 16.2 mi
14. Slight left onto Co Rd 162/State Hwy M
15. Continue to follow State Hwy M 1 mi
16. Turn right onto Missouri K 7.3 mi
17. Turn right onto MO-39 N 4.3 mi
18. Turn left onto US-160 W 13.2 mi
19. Turn left onto MO-126 W/Main St
20. Continue to follow MO-126 W
21. Entering Kansas 23.2 mi
22. Continue onto KS-126 W .8 mi

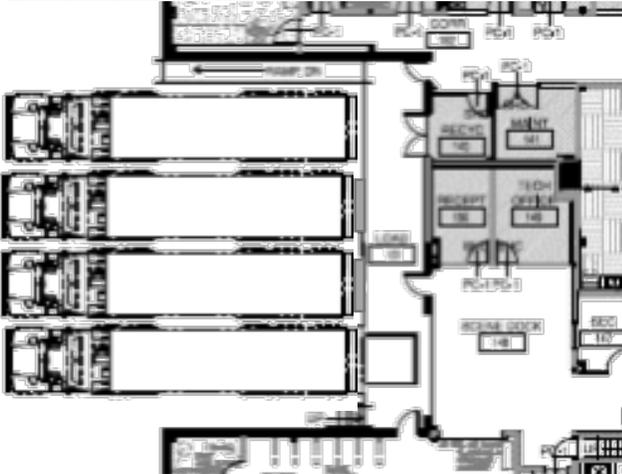
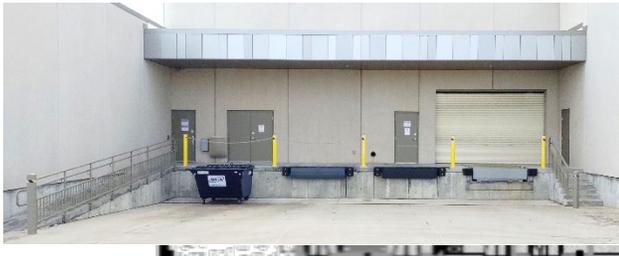
23. Take E 540th Ave and E Quincy St to S Homer St in Pittsburg 9 min 5 mi
24. Turn left onto S 260th St 1.0 mi
25. Turn right onto E 540th Ave 2.2 mi
26. Continue onto E Quincy St 1.3 mi
27. Turn left onto S Homer St
28. Destination will be on the left .4 mi

**From Wichita Dwight D. Eisenhower National Airport (The West) 2 h 57 min (165 miles)**

1. Head south on S Airport Rd 0.6 mi
2. Continue onto Eisenhower Airport Pkwy 1.1 mi
3. Turn right onto W Kellogg Dr 0.1 mi
4. Use the left lane to take the ramp onto US-400 E/US-54 E 0.2 mi
5. Follow US-400 E to KS-47 E in Center
6. 1 h 34 min (93.2 mi)
7. Merge onto US-400 E/US-54 E 10.5 mi
8. Continue straight onto US-400 E/US-54 E/E Kellogg Ave
9. Continue to follow US-400 E/US-54 E 21.0 mi
10. Slight left onto US-400 E 61.7 mi
11. At the traffic circle, take the 3rd exit onto KS-47 E 28 min (29.2 mi)
12. Turn right onto US-59 S 1 min (0.9 mi)
13. Continue on KS-47 E to Baker 39 min (36.6 mi)
14. Turn left onto KS-47 E 23.4 mi
15. Turn right onto KS-7 S/N Summit St
16. Continue to follow KS-7 S 7.2 mi
17. Turn left onto KS-126 E 5.9 mi
18. Turn right onto US-160 W/US-69 S 1 min (1.1 mi)
19. Follow W Quincy St, S Broadway St, and E Ford Ave to S Homer St in Pittsburg 5 min (1.9 mi)
20. Turn left onto W Quincy St 0.8 mi
21. Turn right onto S Broadway St 0.5 mi
22. Turn left onto E Ford Ave 0.6 mi
23. Turn left onto S Homer St Destination will be on the right 279 ft



## Load-In



## Dock Dimensions

3' -11" high

52' -11" wide

8' -5" depth

The standard Dock configuration provides for three semi-trucks and a bus or four semi-trucks to park. There are three levelers, and a drop-in ramp available.

## Roll up Dock Door

15' -0" wide

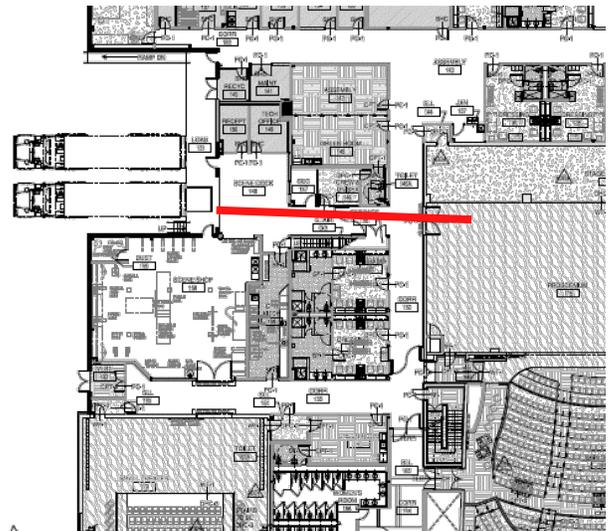
10' -1" tall

## Dock Location

The Dock is located on the north side of the Center with runoff for semi-trucks. The Dock can accommodate three trucks for unloading at one time with four parked. We have a PowerRamp electric dock leveler in bay area #1. We have Edge of Dock Levelers in bay area #2 and #3, respectively as well as a dock plate for bay area #4.

The overhead loading doorway empties into the Inner Dock area 19' -4" by 23' -9".

Equipment unloaded to the Linda & Lee Scott Performance Hall travel down a hallway 6' -9" wide. The performance hall is 60' from the back Dock. Access from the back Dock to the Performance Hall is on Stage-Right. The floor is level from the Dock to the Stage. A ½ ton stacking motor is located Stage-Right to unstack cases. There is a 5' -3" pinch point at the loading dock doors, they are 16' tall. We can go around through the Scene Shop if needed to a 6'4" doorway.



## Semi-Truck and Bus Parking



Four vehicles can fit in the loading dock. The fourth position can be a truck or bus. Shore power is located on the east of the Dock. We also have a dedicated concrete parking pad behind the Center to the east with access from the north parking lot. No Truck or Buses are allowed to park in the parking lot during the show; they must be



in the loading dock or on the parking pad to the east to preserve parking for our patrons. The parking pad also has shore power and a water connection. Bus/truck drivers are welcome to wash their equipment on the parking pad.

## Back Stage



Back Stage accommodations for the Performance Hall include 1 Green Room, 2 Assembly Areas, and 4 Dressing Rooms.

Each Dressing Room has a full bathroom while the Green Room has a half bath.

The Performance Hall has two dressing rooms for 19 people each, and two Star Dressing Rooms for 1 to 3 people each in front of mirrors it would be easy to place more people in each room if they were to share.



*Dressing Rooms, Assembly Areas, and Green Room Performance Hall*

In total, we have Dressing Room seating for 44 in front of a mirror at any given time, with additional capacity for 25 in our green room and assembly areas.

The Green Room also has a refrigerator, microwave, couches, and armchairs. The Star Dressing Rooms also have a couch and armchair.

There is a piano in Assembly Area 2 for warm-ups. Assembly Room 2 is divided from the Performance Hall Green Room by an air wall, which allows Assembly Area 2 and the Performance Hall Green Room to be one large Green Room or two different rooms.

Behind the stage door to the hallway that serves the Dressing Rooms is Assembly Area 1 for your group to gather before taking the Stage.

Support facilities also include a production office, laundry room, costume shop, and scene shop. These services are shared with the Theater Department, and use is limited and planned out in advance.

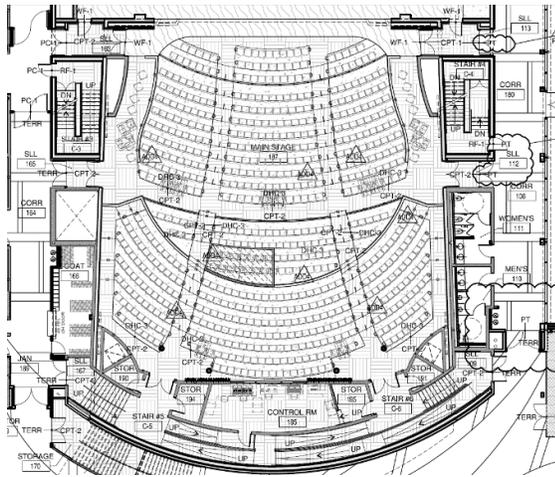
## Seating Layout



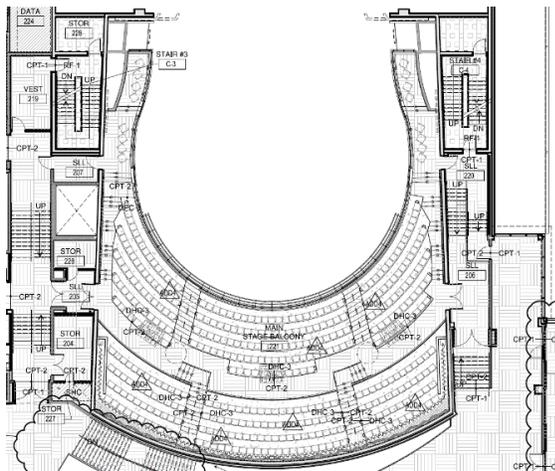
Linda & Lee Scott Performance Hall has a seating capacity of 1030 with the Pit used as Stage (or Pit) or 1083 with the Pit outfitted for seating.

The In House Mix Position (IHMP or Sound Pit) is located in Row M and N house-left.





First Floor



Balcony Level

## Linda & Lee Scott Performance Hall



## Stage Dimensions

Proscenium- 55' -0" adjustable to 45' -0" wide  
 Proscenium 27' tall

Stage Depth

DownStage Pit to Backwall 80' -8"

Plaster Line to Cyc 39' -6"

DownStage Pit to Cyc 60' -8"

Cyc to back wall 20"

Stage Height 3' -8" (from row A)

Stage Width 100'

Wing Space-Stage Left: 17"-0" to Fly  
 System on South wall

Wing Space-Stage Right: 21"-0" to North  
 wall

Rafter height 72' -0"

Grid Height- From deck to grid surface is 66' -2"

Effective flying height of 64' -0"

Shell 29'6"

Curtains 30' Tall

**Crossover** is upstage of the cyc/black traveler.  
 There is ample room between the cyc/traveler and  
 the upstage wall in the storage area behind the cyc.

## Pit



The Pit can serve in one of four optional ways:

- as the apron for the Stage,
- as the orchestra pit,
- as a flat floor at audience level, or
- as Seats.

## Pit Dimensions

The Orchestra Pits moving part is 12' -0"  
 downstage to upstage at the widest part and 55' -  
 0" wide. The moving part of the Pit is rounded on



the house side and has rounded corners on the stage side.

The Orchestra Pit at pit level is 10' down, 17' -4" downstage to upstage, and 55' -0" wide. The lower pit floor adds 6' 4" to the Pit by extending the Pit under the Stage.

Pit height options: the moving part of the Pit stops at any height desired by the Orchestra Director. We have railings for the on-stage side of the Pit if the director wishes not to use it at the lower pit height. Using just the moving part of the Pit will limit the available space the orchestra can access.

The Pit is moved by an electric motor that drives stacking chains. The seats used on the Pit are mounted on a 2 level rolling wagon, which is stored 20 ft below stage height and rolls onto the Pit with all seats bolted down to it to add three rows of audience seating and 58 chairs to the house.

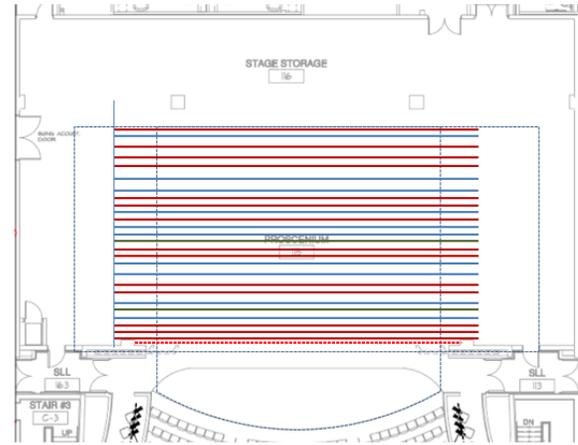
Operational controls for the Pit are Stage left with emergency stops at all levels. The Pit has a 120,000 lb load limit. When used as an Orchestra Pit, the Pit aligns to a larger floor space below that extends 6' 4" under the main Stage.

The fixed pit level's upstage wall is square to the moving part of the Pit. The Pit's upstage has removable acoustic panels lining it.

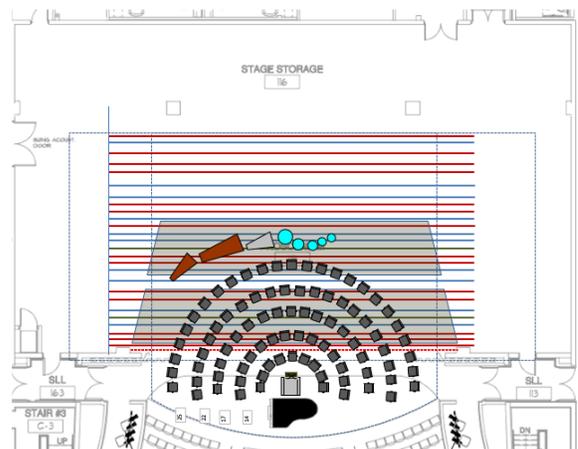
The Pit, when down, has stairwell access stage right and stage-left that leads up to the stage right and stage-left hallways.

The Pit is carpeted when used by a pit orchestra; We remove the carpet when the pit is at stage height, used as seating, or when used as a flat floor at audience height.

The Pit is not an elevator and is not rated to carry people in motion; no one may ride on the Pit while it is in motion.

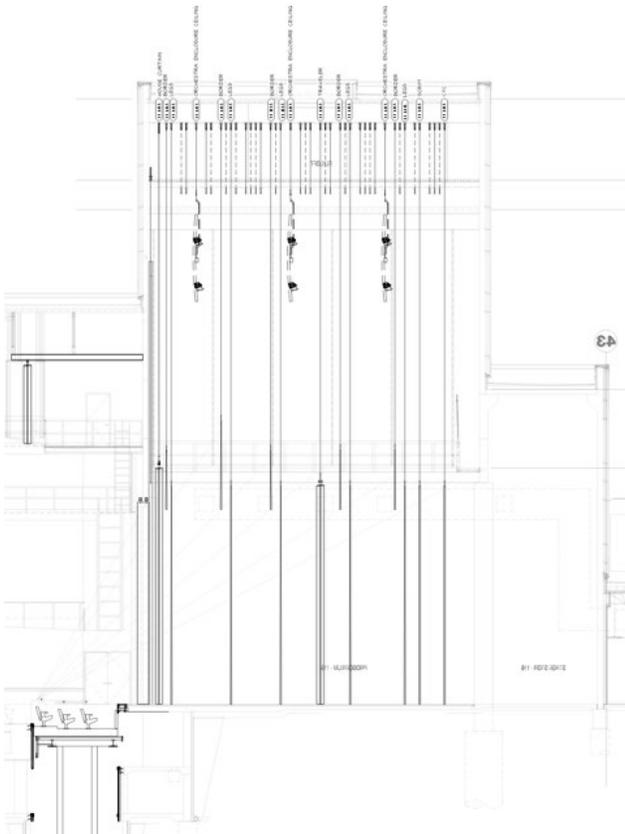


*Stage showing batten hang*



*Stage with Shell and Orchestra Set*





*Stage showing Pit with seats and Fly System*

### **Stage Floor(s):**

Sprung floor with soundproofing, pine frame, two layers of 3/4" plywood, and topped with painted Masonite. Check with Bicknell staff before fastening anything to the deck. We do allow deck legging, but only when necessary.

### **Performance Hall House Draperies: (Soft Goods)**



*House Curtain: Burgundy traveler bi-parting curtain, flown. Counterweight manual lift line and traveler operation located Stage left.*

*Legs: Five (5) sets of black velour non-pleated. Not on tracks, tied to battens, flown.*



*Stage set with Legs and borders shown to cyc*

**Borders:** Five (5) borders (black velour) non-pleated, 10' -0" (border 1) 8' -0" (remaining 4) high x 66' -0" wide.

**Travelers:** Mid-stage one (1) and Rear One (1) Black velour, travelers bi-parting curtain, flown. Counterweight manual lift line and traveler operation located Stage left.

**Scrims:** One (1) black sharks tooth 30' -0" tall by 66' -0" wide. May be hung in any open lineset position.

**Cyclorama (Cyc):** One (1) filled Leno white seamless 30' -0" tall by 66' -0" wide, hung on the last upstage batten.

**Alternate Backdrop:** US Flag 30' by 50'

**Please note that we do not have a valence.**





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## Support Areas:

**Crossover:** In Performance Hall, a crossover can be created upstage of the cyc/black traveler. There is ample room between the cyc/rear traveler and the upstage wall. We store the Orchestra Shells and lifts in this area when they are not in use on Stage. Two (2) large columns separate the storage area behind the Stage from the Stage.

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## Stage Access:

Performance Hall

- Double-door Oversize door stage right for load-in/out
- Left/right aisles from house to Stage
- Double-door sound-lock access downstage left/right to pit as the Stage (in front of the mail drape)
- Single access doors from sound locks Stage right/left to stage wings downstage
- Single-door sound-lock access upstage right
- Double door access upstage left
- Single door access upstage right

Dressing rooms are 40' to 60' from stage entrances stage-right and behind the Main Stage.

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## Shop Area:

The Shop Area is right off the Dock door. It is nearly 60' from Performance Hall. All major woodworking tools and dust vent available.

Visitors must contact the Bicknell Technical Director to schedule availability and use.

**Storage:** Limited storage is available before events as long as storage would not interfere with daily operations. No storage is available after the strike of the event. Everything brought in for an event must leave upon the conclusion of the event.

**Notes:** All scenery and soft goods must be fireproofed. If you do not know if your materials are fireproofed, you may do it yourself, or we can do it using USITT approved flameproof products, such as Rosco's Flamex. Contact Bicknell Technical Director with questions.

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## Line Sets Data:

- 51 Line Sets,
- Two (2) are for non-removable shells at 6' -2" and 18' -10",
- 49 linesets used for theatrical performances.
- 58 total spaces on 8-inch spacings.

## Obstructions

7 spaces do not have linesets and are obstructed by the main drape, the two shell hangs, or make room for a future shell hang.

- The Main Drape obstructs Lineset Position 2, so the labeling system starts at 2, which would have been position 3.
- Labeled lineset positions 6, 7, 8 are obstructed from 5' 2" to 7' 2" for shell #1.
- Labeled linesets positions 25, 26, 27 are obstructed from 17' 10" to 19' 10" for shell #2.
- Labeled lineset space 44, 30' 10" and 46, 32' 2" do not have pipes in preparation for a future 3<sup>rd</sup> shell obstruction. Labeled Linset 45, 31' -6" is an operational lineset now and will be replaced with a 3<sup>rd</sup> shell later.



**Travelers**

- We will not remove our house travelers.
- Lineset #1 main drape which takes up 0' 10" to 2' 6"
- Lineset # 30 mid-stage traveler which takes up 21' 2" to 21' 10"
- Lineset #54, the rear traveler takes up 37' 2" to 36' 10"

**Electrics**

Our electrics use Socapex cable and are hung off standard battens with breakouts, they can be removed or repositioned as needed. Our standard Electric possessions follow:

- Lineset #05 4'-10" Electric 1
- Lineset #14 10'-10" Electric 2
- Lineset #23 16'-10" Electric 3
- Lineset #33 23'-6" Electric 4
- Lineset #41 28'-10" Electric 5
- Lineset #50 34'-10" Electric 6

**Fly System Type:** Single purchase.

- Working Height of Battens above Stage: 4' -1"
- Battens: 66' -0" in length, 1 ½ inch, schedule 40 pipe
- Pin Rail and Load Gallery above
- Total Loading Gallery weights 81,748 lbs.
  - 2,300 - 21.73 lbs. 2" weights, (Half Pig) 49,979 lbs.
  - 731 - 43.46 lbs. 1" weights, (Pig) 31,769.26 lbs.
  - Weight must be Distributed Evenly Over Gallery.
  - Available Weight: 58,000 lbs. available from mid, loading galleries, and floor (if requested).

**Arbors:**

- (9" 6"): (2,216) Lb. Capacity, without spacers, 1300 with spacers.
- Always lock the top spreader plate with the locking collars.

- Theatrical Set Capacities:
- Electric Sets (Concert Ceiling Sets) (2,304) lb Total Capacity

**Lift Cables:**

- Safe Working Load is (875) lbs. per cable
- The cable is (1/4") 7 x 19 Strand Aircraft Cable
- Breaking Strength is (7,000) lbs.
- Original Installed November 1, 2014
- Eight Added Summer 2015
- Seventeen Added Summer 2018

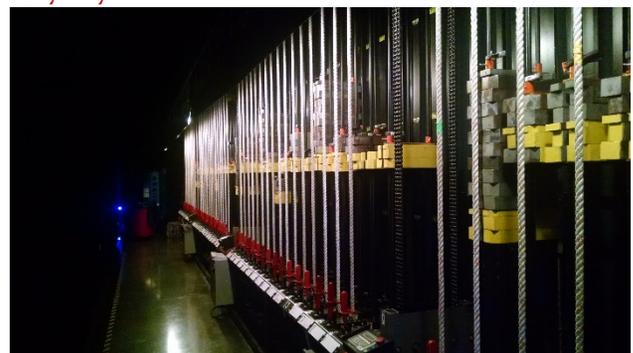
**Loading Galleries:**

- Stage left, at stage height,
- Mid height 32' -5"
- Upper Height 59'
- Grid Height 62' -2"

Note, the bottom of the Arbors at their highest position stop below the height of the upper Loading Gallery. Spacers are installed on the Arbors to bring up the Arbor floor; for large loads, remove the spacers before loading.

**Pin Rail:** the Pin-Rail is on three sides of the Stage at mid-height Stage-left, Crossover, and Stage-right.

**Fly System Measurements:**



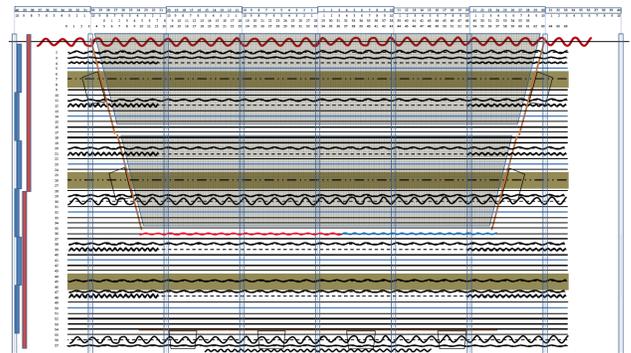
Note: GP in the lineset table stands for General Purpose pipe (GP). They can be used for anything;



our general hang is listed in the House Set column following the pipe designation.

Distance	No.	House Set
-4'5"	X	UPSTAGE EDGE OF PIT
-2'9"	X	HOUSE SIDE OF PROSCENIUM
0'0"	X	<u>PLASTER LINE (FIRE CURTAIN)</u>
1' 6"	1	HOUSE CURTAIN
2' 2"	X	OBSTRUCTED (no pipe)
2' 10"	2	GP BORDER 1
3' 6"	3	GP SCREEN 1
4' 2"	4	GP LEGS 1
4' 10"	5	GP ELECTRIC 1
5' 6"	6	OBSTRUCTED (no pipe)
6' 2"	7	SHELL 1
6' 10"	8	OBSTRUCTED (no pipe)
7' 6"	9	GP Open Pipe
8' 2"	10	GP Open Pipe
8' 10"	11	GP BORDER 2
9' 6"	12	GP LEG 2
10' 2"	13	GP Open Pipe
10' 10"	14	GP ELECTRIC 2
11' 6"	15	GP Open Pipe
12' 2"	16	GP Open Pipe
12' 10"	17	GP SCREEN 2
13' 6"	18	GP Open Pipe
14' 2"	19	GP Open Pipe
14' 10"	20	GP BORDER 3
15' 6"	21	GP LEG 3
16' 2"	22	GP Open Pipe
16' 10"	23	GP ELECTRIC 3
17' 6"	24	GP Open Pipe
18' 2"	25	OBSTRUCTED (no pipe)
18' 10"	26	SHELL 2
19' 6"	27	OBSTRUCTED (no pipe)
20' 2"	28	GP Open Pipe
20' 10"	29	GP BORDER 4
21' 6"	30	TRAVELER 1(Acts as Leg 4)
22' 2"	31	GP Open Pipe
22' 10"	32	GP Open Pipe
23' 6"	33	GP ELECTRIC 4
24' 2"	34	GP Open Pipe
24' 10"	35	GP Open Pipe
25' 6"	36	GP 50ft US FLAG

26' 2"	37	GP	Open Pipe
26' 10"	38	GP	BORDER 5
27' 6"	39	GP	LEG 5
28' 2"	40	GP	Open Pipe
28' 10"	41	GP	ELECTRIC 5
29' 6"	42	GP	Open Pipe
30' 2"	43	GP	Open Pipe
30' 10"	44		(no pipe, future obstructed)
31' 6"	45	GP	Scrim 1 (future shell 3)
32' 2"	46		(no pipe, future obstructed)
32' 10"	47	GP	BORDER 6
33' 6"	48	GP	LEG 6
34' 2"	49	GP	Open Pipe
34' 10"	50	GP	ELECTRIC 6
35' 6"	51	GP	Open Pipe
36' 2"	52	GP	Open Pipe
36' 10"	53	GP	Open Pipe
37' 6"	54		REAR TRAVELER
38' 2"	55		PROJECTION MASKING
38' 10"	56	GP	Open Pipe
39' 6"	57	GP	CYC



We will not remove the House Curtain, Shells, Mid-Stage Traveler, Rear Traveler, Projection masking or CYC for outside shows.

## Electrical

### Tour Disconnects:

1. 200A Stage Right,
2. 400A Up Stage Right,
3. 400A Stage Right, Mid-Gallery.
4. 400A Stage Right, Mid-Gallery.



**BFCFA Linda & Lee Scott Performance Hall Tech Spec**

- 5. 400A Stage Right, Mid-Gallery.
- 6. 200A Forestage Grid
- 7. 100A Grid

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**Lighting Locations  
Performance Hall**

**Dimmers**

- **Grid**                      12
- **Cats**                        51
- **Bal Bm Gal Rail**        81
- **Over Stage**                144
- **Total of**                    384

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<b>Dimmer Location</b>	<b>Count</b>
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Forestage Grid Stage Left	6
Forestage Grid Stage Right	6
Catwalk #1	28
Catwalk #2	23
Pro Boom Stage L Upper	6
Pro Boom Stage L Lower	6
Pro Boom Stage R Lower	6
Pro Boom Stage R Upper	6
Tech Gallery Rail Left Front	6
Tech Gallery Rail Left Back	6
Tech Gallery Rail Right Front	6
Tech Gallery Rail Right Back	6
Under Gallery Stage Left	3
Under Gallery Stage Right	3
Balcony Rail Stage Right	3
Balcony Rail	3
Balcony Rail Stage Left	3
Under Balcony Stage Left	3
Under Balcony Stage Right	3
Back of Grid	6
Pin Rail Down Stage ( Next to Rail)	6
Pin Rail( Next to Rail)	6
Pin Rail( Next to Rail)	6
Pin Rail( Next to Rail)	6
Pin Rail Up Stage ( Next to Rail)	6

Mid Load Deck Down Stage Nx Rail)	6
Mid Load Deck (Next to Rail)	6
Mid Load Deck (Next to Rail)	6
Mid Load Deck (Next to Rail)	6
Mid Load Deck Up Stage (Nx Rail)	6
Gallery Down Stage (Multi Pin) (EL 1)	24
Gallery (Multi Pin) (EL 2)	24
Gallery (Multi Pin) (EL 3)	24
Gallery (Multi Pin) (EL 4)	24
Gallery (Multi Pin) (EL 5)	24
Gallery Up Stage (Multi Pin) (EL 6)	24
Down Stage Right	6
Up Stage Right	6
Up Stage Left	6
Down Stage Left	6
Pit ( Next to Wall)	6
<b>Total 115 V</b>	<b>384</b>

	60 AMP
Pin Rail (Next to Wall) 60 A	4
Up Stage Right 60 A	4
Up Stage Left 60 A	4
<b>Total 60 AMP</b>	<b>12</b>

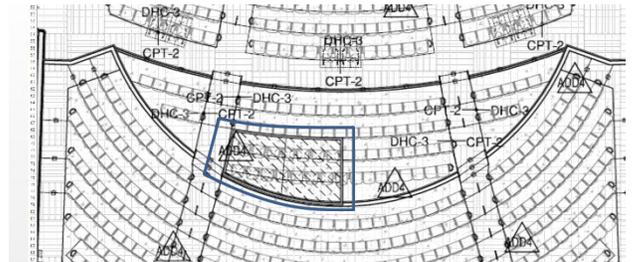
	Clouds
Forestage Cloud	6
Cloud 1	6
Cloud 2	6
Cloud 3	6
<b>Total Concert</b>	<b>24</b>

	208
Switched	
Stage-USR	4
Stage-USL	4
Balcony Rail	2
Balcony Rail	2
Balcony Rail	2
Gallery-SR	4
Pro Boom-HR	2
Tech Gallery Rail-HR	2



## BFCFA Linda & Lee Scott Performance Hall Tech Spec

Tech Gallery Rail-HR	2
Tech Gallery Rail-HL	2
Tech Gallery Rail-HL	2
Pro Boom-HL	2
Forestage Grid	2
Forestage Grid	2
Forestage Grid	2
Catwalk #1	2
Catwalk #1	2
Catwalk #1	2
Catwalk #2	2
Catwalk #2	2
Catwalk #2	2
 Total 208 V Switched	 58



Light Board:  
ETC EOS



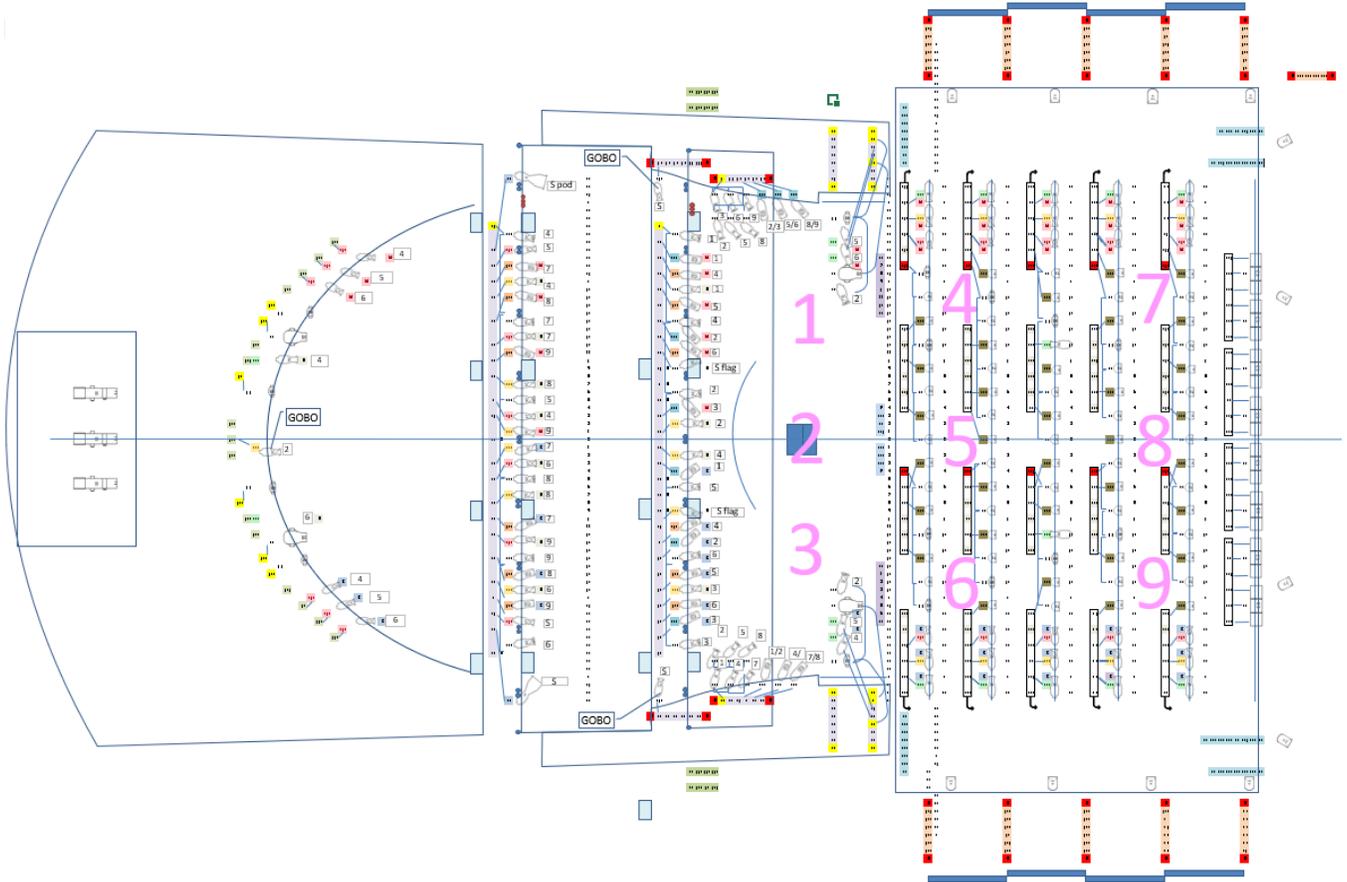
Houselights: ETC Paradigm or integrated into lighting control boards.

### Front of House Positions

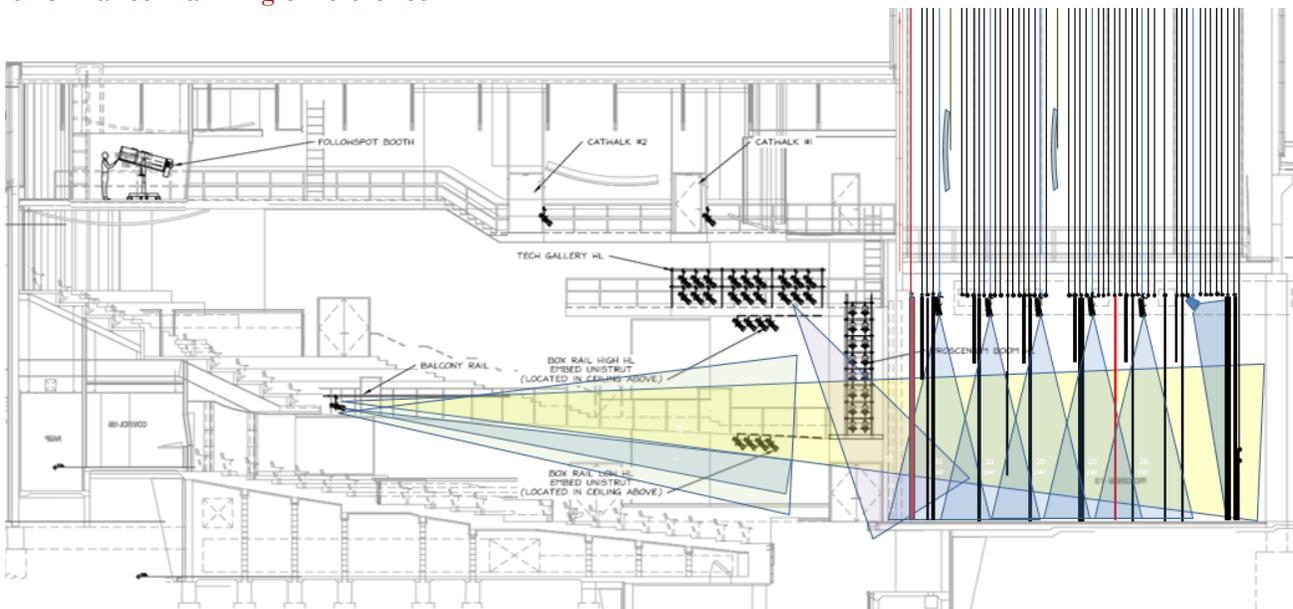
FOH is located behind row L in the Upper Orchestra Seating, in front of the Parterre, just off centerline and not under the balcony. It is recessed into the floor 18 inches. 12 ft wide by 5 ft deep with steps into it. It is a 100 ft run from Stage right's to the FOH position using a normal in house cable run.



Performance Hall General Plot



Performance Hall Angle Reference



Performance Hall Lighting Inventory

2	ETC	5 S4 Ellipsoidal	
22	ETC	19 S4 Ellipsoidal	
22	ETC	26 S4 Ellipsoidal	
19	ETC	36 S4 Ellipsoidal	
14	ETC	26 LED Lustra II	
12	ETC	36 LED Lustra II	

12	ETC	15-30 Zoom	
12	ETC	25-50 Zoom	
8	Altman	T-3 Cyc	
3	Lycian	2K Followspot	
24	ETC	S4-PAR	
6	ETC	Fresnel	
16	ETC	LED ColorSource Par	



16	Martin	101	
8	Martin	Aura	
4	Martin	Air FX	

(2) 13' x 23' Da Lite rear projection screen hung mid-stage (Lineset 17)

Performance Hall has a 20,000-lumen DLP Panasonic rear projector.



*Performance Hall with Mid-Stage Video Screen In*

**Mobile Projectors**

(2) portable 6,000-lumen DLP Panasonic projectors on AV carts. (2) 5' x 8' portable projection screens on frames.

Cable: We have sufficient cables for booms and floor fixtures.

6 Floor base for booms (we have 10 ft pipes attached)



*Control Booth TriCaster configuration*



**Video and Projection:**

**Screens**

(1) 60' x 30' Rose Brand projection screen hung (Lineset 3) used for full stage movie projection.

The Performance Hall is equipped with video production and streaming equipment including ProTools for audio, NewTek TriCaster TC1, NC1



I/O and TC1LP for broadcasting live and taping video productions, and fixed and remote cameras.

(4)NewTek NDIHX-PTZ1  
NDIHX PTZ-1 Camera with 20x Zoom Lens



**Audio:**

**Performance Hall**  
Acoustical Hall with adjustable elements

Allen and Heath iLive-144/S



Hearing Assistance System: Listen  
Performance FM Receiver

Production Communications: Clear-Com run  
through hall and dressing rooms. Wireless  
headsets used in the Performance Hall on stage.

Control Locations: Performance Hall-house audio  
pod and stage left wings.

Monitor/Paging System:

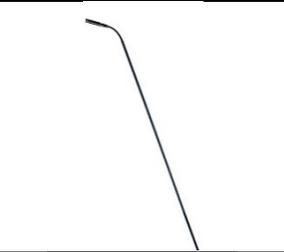
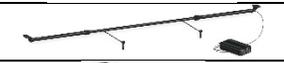
**Microphone List:**

Microphones (used in all areas)

8	AKG	C-414XL II	
8	AKG	C-535 EB	
8	AKG	Table	
2	AKG	D-112	
4	AKG	SE 300-B	
2	AKG	CK 91	
2	AKG	CK 92	
2	AKG	CK 93	
8	Audio Technica	U835R	



*BFCFA Linda & Lee Scott Performance Hall Tech Spec*

4	Audix	MB8450		8	Shure	SM58-LC	
4	Beyerdynamic	M88TG		8	Shure	SM87A	
1	Earthworks	PM40		1	Shure	Super 55	
8	Sennheiser	MD4212 II		8	Shure	ULXD1	
4	Sennheiser	SEE609		8	Shure	ULXD2	
8	Shure	Beta 58		8	Countryman	B6	
8	Shure	Beta 57		8	Crown	PCC 160	
2	Shure	MX 412/C		2	Crown	PZM 30D	
8	Shure	SM81 LC		2	Rhode	NT4	
8	Shure	SM86		4	Rhode	NT6	
8	Shure	SM57-LC					



*Microphone Stands Parts and Stands*

Qty	Make	Model	Picture
6	Atlas	CH-1BE  ACC CBL HNCR EBY	
8	<i>Atlas</i>	Co-1B	
6	<i>Atlas</i>	DMS7E	
6	Atlas	MS20E	
4	K&M	21430. 500.55	

12	K&M	210/6	
16	K&M	210/9	
14	K&M	25680	
6	K&M	259/1	
8	Whirlwind	STND MSB	



**BFCFA Linda & Lee Scott Performance Hall Tech Spec**

8	On Stage	QK2B	
2	Rycote	Stereo Bar	

2	10S loudspeaker colored	d&b Audiotechnik Z1550.901	
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Fixed Speakers: Left array, Right array, Center array, 2-18 inch Subs with under-balcony delay and back balcony delays (L C R)

**Stage Lip Speakers**

6	6 Stage Lip Speaker, 30 X 120 degree, 16 ohm, 150 watt	Innovox HLA Stage Lip	
8	8 2-Way Speaker, 30 X 120 degree, 16 ohm, 150 watt w/speakon	Innovox HLA Stage Lip - NL4	

**Installed House Speakers**

8	E6 Loudspeaker NL4 colored	d&b Audiotechnik Z0350.901	
3	Qi7 loudspeaker NL4	d&b Audiotechnik Z0527.000	 <small>Qi7, Qi10 loudspeaker</small>
2	Qi7 colored NL4	d&b Audiotechnik Z0527.901	 <small>Qi7, Qi10 loudspeaker</small>
2	Qi10 colored NL4	d&b Audiotechnik Z0528.901	 <small>Qi7, Qi10 loudspeaker</small>
2	Qi-SUB subwoofer NL4	d&b Audiotechnik Z0530.000	

**Monitor Speakers**

4	4 Ultra-Compact Loudspeaker	EAW UB12Si	
4	4 48 V DC Self-Powered Miniature Loudspeaker	Meyer Sound MM-4XP	
8	12" + 1" HF, 2-Way Complex Conic Speaker, 90X60	Renkus Heinz TRX121/9	



8	15" + 1" HF, 2-Way Complex Conic Speaker, 90X60	Renkus Heinz TRX151/9	
4	8" + 1" HF, 2-Way Complex Conic Speaker, 90X60	Renkus Heinz TRX81/9	

4	K&M Stands	21366 Distance Rod with Ring	
4	Ultimate Support	TS-110B Hydraulic Speaker Stand	

Powered Monitor Speakers for Stage and house

4	Renkus Heinz	12" + 2" titanium HF driver powered C F121-5	
4	Renkus Heinz	CF18S-5 18" Subwoofer powered	

Surround Sound

The house built in sound system can also be connected to a Denon 7.1 surround sound processor to provide surround sound to the lower level of the Performance Hall. We use the L C R and SUB as well as the powered sub woofers and powered monitor speakers spread around the room to create the surround sound speaker placement. This is excellent for Video Presentations and Dance recitals where you want the audience enveloped in the music.



**Acoustic Elements**

The Performance Hall is acoustically tunable depending on the needs of the visiting act. There are pull out absorption panels as well as acoustic curtains and defusing panels. The room has a shell that can be added to the Stage, but the curved walls of the shell extend into the house so that all performances on the Main Stage have excellent projection into the seating areas. Even the HVAC is acoustically treated to minimize its presence. We often joke that the loudest thing in the room is the cooling fan on the back of the soundboard.

Here is a rough look at hall acoustic settings to better fit your needs. These are recommendations, if you take the Stage for rehearsal and feel the room needs some adjustments, please let us know so we can work with you to make it just right.

Kirkegaard Associates Recommendations		Performer Position										
Acoustical Element	Drive	Drive Location	Wind Ensemble Recommended	Wind Ensemble PSU set	Orchestra	Orchestra and Choral	Chorus	Chamber Music	Amplified Ensembles with Monitor Loudspeakers	Other Amplified Uses	Opera (No Amplification)	Broadway Musicals (Voices Amplifier)
Lower Cheekwall Sliding Panels			Half	Exposed	Half	Half	Pocketed	Half	Exposed	Exposed	Pocketed	Exposed
Upper Cheekwall Sliding Panels			Half	Exposed	Pocketed	Pocketed	Pocketed	Pocketed	Exposed	Exposed	Pocketed	Exposed
Parterre Sliding Panels			Exposed	Exposed	Exposed	Exposed	Pocketed	Exposed	Exposed	Exposed	Half*	Exposed
Curtains at Upper Catwalk Walls Near Stage	1	House Right	Pocketed	Exposed	Pocketed	Pocketed	Pocketed	Exposed*	Exposed*	Exposed	Exposed*	Exposed*
	2	House Left										
Curtains at Upper Rear Wall, Flanking Followspot	3	House Right	Exposed*	Exposed	Exposed*	Pocketed	Pocketed	Exposed*	Exposed*	Exposed	Pocketed	Pocketed
	4	House Left										
Curtains at Upper Catwalk Above Balcony	5	House Right	Pocketed	Exposed	Pocketed	Pocketed	Pocketed	Pocketed	Exposed*	Exposed	Pocketed	Exposed*
	6	House Left										
Curtains at Back of Balcony Seating	7	House Right	Pocketed	Exposed	Pocketed	Pocketed	Pocketed	Pocketed	Exposed	Exposed	Pocketed	Pocketed
	8	House Left										
Curtains Above Proscenium	9	House Left	Pocketed	Exposed	Pocketed	Pocketed	Pocketed	Pocketed	Exposed	Exposed	Exposed*	Exposed*
Shell			Full	Full with back at 3rd shell position	Full	Full	Full	Full*	Shell & Upstage Curtain	NO SHELL	NO SHELL	NO SHELL
Pit Lift		Pit	As Stage	As SEATS	As Stage	As Stage	As Stage	As Stage	As Stage	Either	Orchestra Pit	Either
Ensemble First Row			Plaster line	Edge of Pit	Plaster line	Plaster line	Edge of Pit	Plaster line				
Back of Group			3' from back	3' from back	3' from back	3' from back	3' from back	3' from back				
Half*	Half Exposed if necessary to control bass											
Exposed*	Exposed if necessary to maintain clarity in speech range											
Loose Panels in Orchestra Pit	Remove when you need to increase volume											



*BFCFA Linda & Lee Scott Performance Hall Tech Spec*

Chairs:

8	Wenger	Percussion / Bassist	
220	Wenger	Music chairs / black	
210	Comfortek	Multi-Purpose / Red	
1	Wenger	Directors Chair	

Stands: Manhasset;

20	Tall	Manhasset	
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180	Medium	Manhasset	
20	Short	Manhasset	
1	Drum	Manhasset	
11	Double	Manhasset	
1	Director	Wenger	
84	Stand Lights	Manhasset	

Orchestra Shell: 2-acoustical clouds with lighting, 8 surrounding shells with access doors





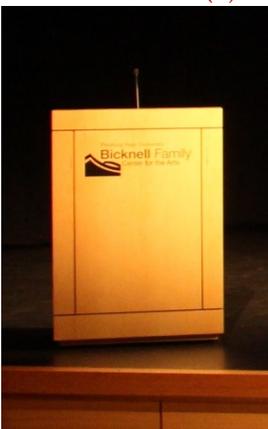
Platforms: Wenger 4× 8 (24), 4' corners (8), Triangles (4); leg height of 6", 12" and 18" available.



Choral Risers: Wenger Signature Choral Risers 4 Step-13



Podium: Wood (2) with BFCFA logo on front



Wardrobe Area: There is no designated space in either the Performance Hall or Miller Theatre. Work with BFCFA Costume Designer to outline Wardrobe needs.

Washer/Dryer: One set in our laundry room near the costume shop. A second set is available in the Costume Designer's office.

Racks/Hangers: Z-Racks are available in all dressing rooms, Hangers upon request are also available.



Costume Shop: A full university costume shop is located in the facility, shared for large-event, primarily used by theater program.

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***Our Invitation to You:***

"The BFCFA staff is here to help! We hope you will take advantage of our hospitality and services. We want to make your event great!"

Joseph Firman, Director

Pittsburg State University



620-235-4536

[JFirman@PittState.edu](mailto:JFirman@PittState.edu)

[www.BicknellCenter.com](http://www.BicknellCenter.com)

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