

TECHNICAL INFORMATION

Broken Arrow Performing Arts Center

701 South Main Street
Broken Arrow, Oklahoma 74012
Ph: 918.259.5778
Fax: 918.258.8923
www.brokenarrowpac.com

CONTACT INFORMATION:

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Email: kate@brokenarrowpac.com

SEATING

- Overall seating capacity: 1490 seats + 17 handicapped spaces
- Orchestra level: 717 + 13 handicapped seats
- Mezzanine level: 310
- Lower Balcony level: 328
- Upper Balcony level: 135 + 4 handicapped spaces

STAGE

- Proscenium opening: **47'-11" W x 22'-10" H**
- Depth of stage from Plaster Line to back wall: **39'-2"**
- Depth of workable stage with Orchestra Pit covered (approx., from center): **49'-2"**
- Apron (DSC edge of pit) to Plaster Line: **14'-2"**
- Stage width, Center to SR: **50'-10"**
- Stage width, Center to SL: **38'-6"** – With 15' SL alcove, total SL wing: **53'-6"**
- Grid height: **64'-10"**
- FOH light and sound position from stage along HR / SL wall: **125'**
- FOH light and sound position, direct from proscenium line: **85'**
- Audience to the stage lip: **3'-6"**
- 3 traps, located DSC, CSL and CSR.

LOAD IN & OUT

- Loading dock is located at the South East corner of the building.
- Loading dock can accommodate 2 trucks **or** 1 truck and 1 bus concurrently (dock width: 23').
- (2) Mechanical dock levelers.

- Vehicles may remain parked at dock overnight.
- Loading dock door: **10'-4"h x 10'w**
- Dock Height: **3'-11"**
- Stage loading door: **20'h x 16'w**
- Shore power: (1) 50a receptacle and (1) 30a receptacle located immediately inside dock door.

LIGHTING

- Control location: Front of house, orchestra level, 85' from proscenium
- Lighting control: ETC EOS Console.
- ETCNet throughout venue.
- Dimming: 384 ETC Sensor Dimmers - dimmer per circuit, 2.4kW ea.
- See circuit plot file attachment for circuit location detail.
- Company Switches: (2) 400a 3-phase switches, USL, camlock; (2) 200a 3-phase switches, DSL, bare wire connect.
- Follow Spots: (2) Cyrano HMI 2500 Spotlight
- House control: can be controlled from lighting console or from keypads located DSL, DSR and FOH booth.
- (1) Ultratec Radiance hazer available.
- **No pick points. Cables must be picked from grid.** House rope available.
- For detailed lighting instrument and accessory inventory, see separate attachment.

SOUND

- Mix position: Front of house, orchestra level, 85' from proscenium.
- Console: Yamaha M7CL- 48 channel Digital Mixer

- Speakers: Bose RoomMatch 6-box progressive directivity arrays left, center, right proscenium. 8 Bose RMS-215 subs in a steered compound bass array; 2 Yamaha CW218V dual 18' subs (floor). Meyer UPJ-1P balcony fills and 2 Meyer UPM-1P and 4 Community CPL23 front fills.
- Proper mixing conventions for this system design: This sound system has been designed with a center cluster that functions as a point source with unified arrival to all seats in the house. All information placed in this cluster will have proper phase in all seats. The left and right clusters will be capable of covering all seats but with the normal comb filtering and phase artifacts typical with all stereo systems.

The considerations for the design criteria mentioned above yields a pleasant and enjoyable sound experience for all audience members when mixed accordingly:

Center Cluster:

Kick
Bass
Snare
HiHat
Lead Vocals
Solo Instrumentalists

Right and Left Clusters:

Stereo Keys
Stereo guitars
Stereo Field appropriate instruments
'Ear Candy'

Mix the system as you would mix a CD. However, do not soft pan any instruments. Think of the system as a tri-mono system with all rhythmic instruments and lead solos sent to the Center Cluster for the best phase experience. If you mix the system as it was designed for the house you will have a great experience. Remember, what sounds great at FOH will sound great for the rest of the room, if you follow these concepts. Most experienced engineers know these laws of physics, so, have fun.

- **Maximum volume: 90 db at mix position. Please strictly adhere to this guideline.**
- Monitors: (4) independent mixes available, controlled from FOH mixer, utilizing Tannoy V12 and V8 cabinets powered by Bose PM8500 N amps.
- Playback/Recording: Tascam CD-160 MK II CD Player, Tascam CD-RW901SL Rewritable Recorder at FOH, Echo Layla3G Multitrack Digital Recorder.
- Company switches: (2) 400a 3-phase switches, USL, camlock; (2) 200a 3-phase switches, DSL, bare wire connect.
- **For touring sound systems: Tie-in to hearing assist system required.** (1) XLR program line needed to USL.
- **For touring sound systems: Tie-in to house monitor system required.** (1) XLR program line needed at house mix position.

- See sound inventory file attachment for detailed mic and supply accounting.

RIGGING

- All stage rigging is motorized and electronically controlled from an onstage computer using **FTSI Navigator Pro Software**.
- Rigging computer is located in SR wing.
- All pipes have a programmed maximum set speed – **cannot exceed this speed**.
- **No pick points. Cables must be picked from grid.** House rope available.
- 40pc. Sch 40 pipe and tie-down ratchets available for spanning grid.
- See Line Set attached below for details.

PROJECTION

- 12,000 Lumens Sanyo Pro Xtra X Projector
- DVD and VHS players and laptop connect available with VGA + Audio, SVideo, and RCA inputs available. Media tie-in/switcher located DSL.
- Lenovo ThinkPad T500 with Windows Media and Quicktime available.
- House screen: 25'h x 19'w, located on line set 3.
- Can project to house screen, cyclorama, or onstage scrim.

DRESSING

- (4) dressing rooms **in all**: (2) two-person “star” dressing rooms, (1) five-person dressing room, (1) fourteen-person chorus dressing room.
- Each room is equipped with a full-length mirror, lighted mirrors, lavatories, seating, (2) clothing racks, communication with SM and show monitor with volume control.
- (1) Multi-use green room with refrigerator and microwave. Green Room can double as a dressing room if needed, but is not equipped with lighted mirrors.

- Dressing rooms are located at and are accessible from SL of the stage.
- Clothes steamer available.
- **No on-site laundry.** Laundry and dry clean facilities located nearby.
- **No showers.**

COMMUNICATIONS

- Call biscuit at stage manager's station to backstage and dressing rooms located DSL.
- Tie-in to tour paging with (1) XLR page line, DSL.
- Clear-Com station in each dressing room and at stage managers' station with available connections downstage and upstage left and right, FOH control position, spot light positions, catwalk, grid, and pit.
- (8) Single-line belt packs, (2) dual-line belt packs and (12) headsets.
- (1) Wireless belt pack transceiver.

ADDITIONAL EQUIPMENT

- Listen LT- 800-216 hearing assist system with 64 personal receiver packs and ear buds.
- Wm. Knabe & Co. Grand Piano, black gloss finish.
- Yamaha Clavinova CLP-S306 Electric Piano.
- (18) 4x8 Wenger platforms, can be legged to 8", 16", 24", or 32". Black skirting available for masking.
- (1) 4x4 Wenger platform with 24"-40" telescopic legs.
- (9) Wenger 4-step choir risers, 6'-6" x 6', can be configured semi-circle or straight.
- (1) large, (2) small podium, each with microphone.
- 6" Wenger conductor stand.
- (80) orchestra stands and (40) stand lights.

- (80) orchestra chairs, black.
- Secoa Maestro acoustical shell, dark wood finish.
- (1) black and (1) white scrim, both 60'w x 30'h.
- Genie AWP-30S Lift.
- 4', 8', 10' and 12' fiberglass ladders.
- Brooms, mops, mop buckets, shop-vac.
- Various hand carts and hampers.

LOBBY/RECEPTION AREA EQUIPMENT

- Catering kitchen available: has sink, prep area, ice machine, and catering room.
- Assorted serving equipment and utensils.
- (12) 6' diameter round tables.
- (14) 6' rectangle folding leg tables.
- (12) round table clothes, white, with (12) decorative black squares.
- (15) rectangular black tablecloths.
- (14) rectangular black spandex form-fitting tablecloths.
- (128) white folding reception chairs.

BAPAC LINESET SCHEDULE

Pipe #	House Use	Distance US of Plaster Line	Capacity (lbs.)	Fixed	Speed (ft/sec)	Max. Out
1	Valance	0'-8"	750		1.6	60'
2	Grand Curtain	1'-3"	1200		1.6	60'
3	Projection Screen	2'-3"	750	Fixed	1.6	60'
4	Border #1	3'-0"	750		1.6	60'
5	Leg #1	3'-9"	750		1.6	60'
6	Elec #1	5'-3"	2000		0.33	40.6'
7	Free Pipe	7'-7"	750		1.6	60'
8	Band Cloud		2000	Fixed	0.33	60'
9	Border #2	9'-0"	750		1.6	50'
10	Leg #2	10'-0"	750		1.6	60'
11	Elec #2	11'-5"	2000		0.33	41.6'
12	Act Curtain	13'-1"	1200		1.6	60'
13	Free Pipe	14'-4"	750		1.6	60'
14	Band Cloud		2000	Fixed	0.33	60'
15	Border #3	15'-9"	750		1.6	50'
16	Leg #3	16'-6"	750		1.6	60'
17	Elec #3	18'-2"	2000		0.33	45'
18	Free Pipe	20'-1"	750		1.6	60'
19	Band Cloud		2000	Fixed	0.33	60'
20	Border #4	22'-5"	750		1.6	50'
21	Leg #4	23'-2"	750		1.6	60'
22	Elec #4	24'-9"	2000		0.33	45'
23	Free Pipe	26'-4"	750		1.6	60'
24	Border #5	27'-6"	750		1.6	60'
25	Band Cloud		2000	Fixed	0.33	60'
26	Elec #5	30'-5"	2000		0.33	45'
27	Free Pipe	31'-7"	750		1.6	60'
28	Leg #5	32'-5"	750		1.6	60'
29	Free Pipe	33'-0"	1200		1.6	60'
30	Blackout	34'-6"	750		1.6	60'
31	Cyc	36'-3"	1200		1.6	60'

Upper Balcony Total: 137 Seats + 4H & 6 Helper Seats

Lower Balcony Total: 328 Seats

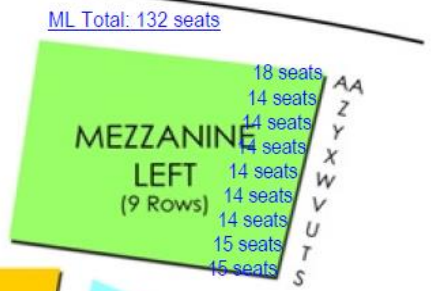
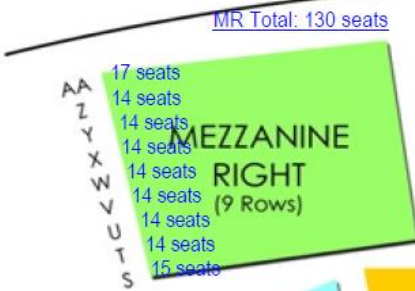
Balcony Total: 465 Seats + 4H & 6 Helper Seats



LBR Total: 116 seats

LBC Total: 96 seats

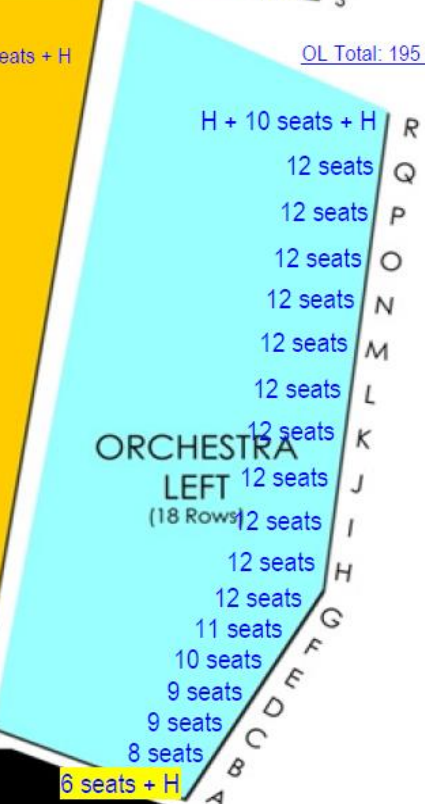
LBL Total: 116 seats



OR Total: 193 Seats + 3H

OC Total: 329 Seats + 8H

OL Total: 195 Seats + 3H



Orchestra Total: 717 Seats + 14H Mezzanine Total: 310 Seats Floor Total: 1,027 Seats + 14H

PAC HOUSE TOTAL: 1,492 SEATS + 18 Handicapped Spaces + 6 Helper Seats

LOCAL CONVENIENCE GUIDE

The BAPAC does not recommend any one business over another. This list has been compiled for the convenience of visiting artists and crew. The omission of any hotel, restaurant, service or the order of listings in no way reflects any priority or preference.

HOTELS

TownePlace Suites

2251 N. Stonewood Cir.
Broken Arrow, OK 74012
918-355-9600

www.marriott.com/hotels/travel/tults-towneplace-suites-tulsa-broken-arrow/

Clarion Hotel

2600 N. Aspen
Broken Arrow, OK 74012
918-258-7085

www.clarionhotel.com/hotel-broken_arrow-oklahoma-OK161

Hampton Inn

2300 W. Albany St.
Broken Arrow, OK 74012
918-251-6060

<http://hamptoninn.hilton.com/en/hp/hotels/index.jhtml?ctyhocn=TULBAHX>

Holiday Inn Express

2201 N. Stonewood Cir.
Broken Arrow, OK 74012
918-355-3200

http://www.ihg.com/holidayinnexpress/hotels/us/en/broken-arrow/tulba/hoteldetail?cm_mmc=mdpr-_-googlemaps-_-ex-_-tulba

Quality Inn

2301 W. Concord St.
Broken Arrow, OK 74012
918-258-8585

www.qualityinn.com/hotel-broken_arrow-oklahoma-OK415

RESTAURANTS – DINE-IN/TAKE OUT

Main Street Tavern

200 S. Main St.

Broken Arrow, OK

918-258-3200

www.mainstreettavernba.com

Back Creek Deli

116 S. Main St.

Broken Arrow, OK 74012

918- 259-7050

Ron's Hamburgers

1913 S. Elm Pl.

Broken Arrow, OK 74012

918-451-7667

www.ronschili.com

Uncle Vinny's New York Pizza

322 W. Kenosha St.

Broken Arrow, OK 74012

918-251-6666

Hideaway Pizza

1150 N. 9th St.

Broken Arrow, OK 74012

918-286-1777

www.hideawaypizza.com

Egg it On Café

1131 S. Aspen Ave.

Broken Arrow, OK 74012

918- 254-0455

www.eggitoncafe.com

Panera Bread

2201 W. Detroit St.

Broken Arrow, OK 74012

918-258-7700

www.panerabread.com

Stone Mill BBQ and Steakhouse

2000 West Reno

Broken Arrow, OK 74012

Fiesta Mambo

219 S. Main St.

Broken Arrow, OK74012

918-455-0356

www.fiestamambo.com

Rib Crib

212 W. Kenosha St.

Broken Arrow, OK 74012

918-258-1559

www.ribcrib.com

Duffy's Restaurant

706 S. Elm Pl.

Broken Arrow, OK 74012

918-251-3285

Mario's New York Pizzeria

1009 North Elm Pl.

Broken Arrow, OK 74012

918-258-0114

www.mariostulsa.com

Shiloh's Restaurant

2604 N. Aspen Ave.

Broken Arrow, OK 74012

918-254-1500

www.shilohsrestaurant.com

Ted's Café Escondido

3202 W. Kenosha

Broken Arrow, OK 74012

918- 254-8337

www.tedscafe.com

McAllister's Deli

720 N. Aspen Ave.

Broken Arrow, OK 74012

918-258-3354

www.mcalistersdeli.com

Lone Star Steakhouse

101 E. Albany St.

Broken Arrow, OK 74012

918-258-4227
www.restaurateur.com/stonemillbbq/

Charleston's
251 Hillside Dr.
Broken Arrow, OK 74012
918-355-9177
<http://charlestons.ehsrg.com/>

Full Moon Café
411 West Stone Wood Drive
Broken Arrow, OK 74012
918-994-6363
www.eatfullmoon.com

RESTAURANTS – FAST FOOD

Qdoba Mexican Grill
2401 W. Kenosha St.
Broken Arrow, OK 74012
918-994-7385

Subway
1003 N. Elm Pl.
Broken Arrow, OK 74012
918-258-0782

Burger King
1600 N. Elm Pl.
Broken Arrow, OK 74012
918-258-4470

Taco Bueno
1810 N. Elm Pl.
Broken Arrow, OK 74012
918-258-6464

Schlotzsky's
1250 E. Kenosha St.
Broken Arrow, OK 74012
918-258-7878

Sonic
2220 W. Kenosha St.
Broken Arrow, OK 74012
918-251-1632

918-355-1133
www.lonestarsteakhouse.com

Los Cabos Mexican Grill
151 E. Bass Pro Dr.
Broken Arrow, OK 74012
918-355-8877
www.loscabosok.com

Oklahoma Joe's BBQ
333 W. Albany St.
Broken Arrow, OK 74012
918-355-0000
www.okjoes.com

Long John Silvers
1000 S. Elm Pl.
Broken Arrow, OK 74012
918-258-9119

Church's Chicken
415 S. Elm Pl.
Broken Arrow, OK 74012
918-286-1072

Braum's
804 N. Elm Pl.
Broken Arrow, OK 74012
918-258-2424

Egg Roll Express
807 N. Elm Pl.
Broken Arrow, OK 74012
918-251-1121

Arby's
624 W. Kenosha St.
Broken Arrow, OK 74012
918-258-7477

Charlie's Chicken
800 N. Aspen
Broken Arrow, OK 74012
918-259-0055

Dickey's Barbecue Pit
820 N. Aspen
Broken Arrow, OK 74012
918-208-0777

CATERING

Panera Bread
2201 W. Detroit St.
Broken Arrow, OK 74012
918-258-7700
<http://catering1.panerabread.com/Home.aspx>

Zio's Italian Kitchen
7111 S. Mingo Rd.
Tulsa, OK 74133
918-250-5999
<http://www.zios.com/site/index.php/catering>

Charlie's Chicken
800 N. Aspen
Broken Arrow, OK 74012
918-259-0055
<http://www.charlies-chicken.com/cater.html>

McAllister's Deli
720 N. Aspen Ave.
Broken Arrow, OK 74012
918-258-3354
www.mcalistersdeli.com/catering/

Rib Crib
212 W. Kenosha St.
Broken Arrow, OK 74012
1-800-275-9677
<http://ribcrib.com/grub/catering/>

Charleston's
251 Hillside Dr.
Broken Arrow, OK 74012
918-355-9177
<http://charlestons.ehsrg.com/>

CONVENIENCE STORES

QuikTrip
501 W. Kenosha Ave.
Broken Arrow, OK 74012
918-258-8600

Kum & Go
1000 E. Kenosha St.
Broken Arrow, OK 74012
918-258-3544

Fiesta Mart
830 N. Elm Pl.
Broken Arrow, OK 74012
918-259-5045

SUPERMARKETS

WalMart Supercenter
2301 W. Kenosha St.
Broken Arrow, OK 74012
918-259-9126

Reasor's
1100 E. Kenosha St.
Broken Arrow, OK 74012
918-251-5800

BANKING

AVB / Arkansas Valley State Bank

302 S. Main St.
Broken Arrow, OK 74012
918-251-9611

MidFirst Bank

2100 W. Kenosha St
Broken Arrow, OK 74102
918-258-4403

Bank of America

1800 S, Elm Pl.
Broken Arrow, OK 74102
918-258-1480

LAUNDRY

Liberty Laundry

709 N. 9th St.
Broken Arrow, OK 74012
918-251-7222

Diamond Washtub and Cleaners

815 W. Houston St.
Broken Arrow, OK 74012
918-251-1102

Quick Clean Laundry

1906 S. Elm Pl.
Broken Arrow, OK 74012
918-451-1722

DRY CLEANING

Comet Cleaners

697 N. Aspen Ave.
Broken Arrow, OK 74012
918-258-0558

Yale Cleaners

2204 S. Aspen Ave.
Broken Arrow, OK 74012
918-451-2982

La Mode Cleaners

4666 W. Houston St.
Broken Arrow, OK 74012
918-461-0195

HARDWARE

Westlake Ace Hardware

708 S. Aspen Ave.
Broken Arrow, OK 74012
918-258-1261

Lowe's

1900 E. Hillside Dr.
Broken Arrow, OK 74012
918-355-4926

AUTO / AUTO REPAIR

Advantage Auto Repair
213 E. Kenosha St.
Broken Arrow, OK 74012
918-259-9899

Jiffy Lube
100 N. Elm Pl.
Broken Arrow, OK 74012
918-251-2579

Autozone
811 S Elm Pl
Broken Arrow, OK 74012
918-258-4330

HOSPITALS

St. John Broken Arrow
1000 West Boise Circle
Broken Arrow, OK 74012
918-994-8000

M&M Automotive
605 North Walnut Avenue
Broken Arrow, OK 74012
918-251-4750

O'Reilly's Auto Parts
501 S. Elm Pl.
Broken Arrow, OK 74012
918-251-6121

Saint Francis Broken Arrow
3000 South Elm Place
Broken Arrow, Oklahoma 74012
918-455-3535

PHARMACY

Walgreen's
701 W Houston St
Broken Arrow, OK 74012
918-251-7924

CVS
1853 South Aspen Avenue
Broken Arrow, OK 74012
918-251-9615

TECHNICAL THEATRE SERVICES

Performance Stage
5946 E. 12th ST.
Tulsa, OK 74112
918-832-8800
www.performance-stage.com

Integrity Lighting & Sound
3525 E. 36th ST. N.
Tulsa, OK 74115
918-425-4446
www.integritylighting.com

Unique Audio Visual
8674 S Peoria Ave
Tulsa, OK 74132
918-296-7599
<http://www.uniqueavinc.com/>

Omni Lighting
1333 E 4th St
Tulsa, OK 74120
918-583-6464
<http://www.omnilighting.com/>