

Bloomington Center for the Performing Arts

Technical Specifications

JOEL AALBERTS
Interim Director of Cultural Arts
(309) 434-2764

DAVID YOUNG
Facility Manager
(309) 434-2761

RODNEY W. STICKROD
Technical Director
(309) 434-2765

BOX OFFICE
(309) 434-2777

revised 5/1/09

BLOOMINGTON CENTER FOR THE PERFORMING ARTS TECHNICAL INFORMATION

The Bloomington Center for the Performing Arts has a seating capacity of 1180 people with orchestra, balcony and box seat levels with a traditional seating plan. Also available on the first level of the Center there is a 1200 seat formal Ballroom. The following information is a guide of what is available for use at the BCPA.

STAGE DIMENSIONS

Proscenium width	44' - 0"
Proscenium height	26' - 3"
Stage width, stage left wall to stage right wall	81' - 0"
Off stage space, stage left to wall	14' - 11"
Off stage space, stage right to wall	14' - 11"
Edge of Stage to back wall	49' - 0"
Edge of stage to plaster line	5' - 6"
Edge of Stage to last line set upstage	48' - 0"
Edge of Stage to edge of portable apron at deepest point	9' - 6"
Stage floor to grid	58' - 0"
Off stage floor to underside of fly galleries left and right	28' - 6"
Last row in house (balcony) to DS lip of stage	73' - 0"
* At "pit level" an additional 4' - 6' available under apron overhang	

(SEE ATTACHED PLAN AND SECTION FOR DETAILS)

LIGHTING SYSTEM

The lighting control is an ETC Express 48/96 with Emphasis 2D server with 306 -2.4 Kw ETC Sensor dimmers (We will not strip elects)

First electric	36-20 amp circuits
Second electric	24-20 amp circuits
Third electric	24-20 amp circuits
Fourth electric	24-20 amp circuits
First F.O.H cove	36-20 amp circuits
Second F.O.H cove	20-20 amp circuits
Third F.O.H cove	20-20 amp circuits
Fourth F.O.H cove	House lights only
Balcony rail	8-20 amp circuits
Box Pipes drop box	6-20 amp circuits
Box Seats connector	6-20 amp circuits
Proscenium door opening (4 left, 4 right)	3-20 amp circuits
On stage Proscenium wall	4-20 amp circuits
Stage back wall (3 left, 3 right)	12-20 amp circuits
Side wall pockets (3 left, 3 right)	18-20 amp circuits
Drop boxes (20 cir. left, 20 cir. right)	28 -20 amp circuits
Fly Rail (12 left, 12 right)	24-20 amp circuits
Trap room	4-20 amp circuits
Follow spot booth	2-20 amp circuits

Two (1) 200 amp breaker for audio power located stage right. Three (3) 400 amp breaker for Lighting power located (2) back wall of theatre (1) stage right.

ETC source four 10 degree Ellipsoidal	15 @ 750w
ETC source four 14 degree Ellipsoidal	40 @ 750w
ETC source four 19 degree Ellipsoidal	40 @ 750w
ETC source four 26 degree Ellipsoidal	44 @ 750w
ETC source four 36 degree Ellipsoidal	36 @ 750w
ETC PAR NEL	25 @ 750w
ETC PAR (medium flood can be changed)	60 @ 750w
ETC source four Zoom Ellipsoidal	25 @ 750w
L&E 3 cell Broad Cyc	10 @ 750w
L&E 6ft three cell strip units	6 @ 750w
Lycian M2 Medium Throw 2500 W in spot booth	2
Rosco I-Que mirror heads	2

(Check with BCPA Technical Director for availability of lighting equipment.)

Two fers	101
Lighting booms	8 @ 12'-0"
Boom bases	10 @ 50 lbs
Assorted stage cable in, 5', 10', 20', and 50' lengths	

AUDIO SYSTEM

Front of House:

Midas Heritage 3000; 48/4 Channel Mixing Console 10 VCA's, 24 Aux/Group., 8 matrix, 4 Band parametric EQ all channels
 4 - XTA GQ 600 1/3 octave equalizer
 1 - Yamaha SPX2000 Professional Multi-Effect Processor
 1 - TCE M2000 Digital Effects Processor
 1 - Lexicon MPX-1
 2 - Klark Teknik DN 514+ Gate
 2 - Klarik Teknik DN 504+ Comp/Limiter
 2 Sony MDR -7506 Headphones
 1 Tascam CD 01U player
 1 Tascam CD- RW2000 CD player /recorder
 6 WEP Patch Bay
 2-EAW UB 12se Booth monitors speakers
 1 Mackie HRS 120 Booth Sub

Front of House Speaker Array

2 - Crown CTs 2000 amplifiers
 2 - Crown CTs 1200 amplifier
 2 - Crown CTs 3000 amplifier
 1 - Crown CTs 4200IQ amplifier Front fill amp
 6 EAW SL 12Se-JHA Front fills
 2 EAW AX 396 Center Clusters (flown)
 2 EAW AX 364 LR (flown)
 2 EAW AX 396 LR (flown)
 2 EAW SB 250P 15" Subs
 2 EAW SB 180P 18" Subs
 1 - Crown CTS 600
 2 - EAW DSA-250 Balcony fill

Playback:

- 1 Tascam CD- 01U CD Player
- 1 Tascam CD- RW 2000 Cd Recorder Player

Monitor:

(Check with BCPA Technical Director for availability of monitor equipment)

- 1 - Crest LM 40/20 Monitor Desk
- 4 - EAW SM 200i wedges
- 2 - EAW SM 84 wedges (Bi amped always)
- 1 - EAW SM 500 wedge
- 1 - EAW SB 330 drum sub
- 2 - EAW JFX 260 wedge/ stackable
- 2 - EAW SB 850 (side fill sub)

- FX 2 Complete amp racks with, Crown CTs and Crest CA amplifiers, DBX drive rack crossovers, and 2 - SPX 2000 processors, with 16 channels of DBX- EQ's
This system can do 8 passive or 4 bi-amps mixes, plus a tri amped drum fill and tri amped side fills.

Microphones:

- 10 - Shure SM 58
 - 6 - Shure SM 57
 - 4 - Shure SM 81
 - 6 - Shure Beta 98
 - 1 - Shure Beta 52A
 - 1 - Shure Beta 91
 - 6 - Shure MX202 B/C
 - 1 - Shure Beta 87
 - 1 - Shure EZG/18
 - 2 - 450-II
 - 4 - Crown PCC-160
 - 4 - Sennheiser MD 421 II
 - 2 - Sennheiser MD 431 II
 - 1 - C Ducer CPS/8
 - 4 - AKG C535B
 - 2 - AKG 414B TLII
 - 2 - Shure wireless SM 58
 - 2 - Shure wireless Beta 87's
- All four wirelesses can also be used as lavalier with Shure wireless belt pack and WL-50's
- 6 - Whirlwind Hot box DI

Accessories:

- 10 - Straight, round base mic stand
- 10 - tripod boom stands
- 8- Short round base stands
- 2 - Kick drum stands
- 2 - 12 channel snakes
- 2 - 6 channel snakes

ample mic cable and adapters

Miscellaneous:

- 4 channel full duplex Clearcom. With 4 wireless Telex Belt packs
- Backstage page system to dressing rooms and show monitor to dressing rooms
- Infrared System for the hearing impaired

2 Shure paging microphones as part of the backstage paging system (1 stage manager / stage right, 1 at house sound booth)

RIGGING SCHEDULE

The rigging system is a single purchase counterweight system with 57 total line sets. Locking rail is above stage level, off stage left. Secondary system is a Hemp and Sandbag system above stage level off Stage Right. Fly galleries are located 28' - 6" up. The loading bridge is located on the stage left wall at a height of 48'-0".

Dedicated electric battens	5
Dedicated house goods battens	11
Dedicated orchestra shell ceiling	4
Free general purpose battens	33
Total battens	57
Batten length	48'6"
Batten diameter 1.5" (schedule 40) single pipe battens	
Battens are hung from 5 points with 1/4" steel cable	

<u>Line set</u>	<u>Location</u>	<u>Description</u>
	0'-3"	Safety curtain 44'-8" x 24'-6"
1*	1'-3"	Grand valance 52'-0" x 10'-0"
2*	1'-11"	Main house curtain 64'-0" x 26'
3	2'-11"	General purpose batten
4*	3'-7"	1 st Electric
5	4'-1"	General purpose batten
6	4'-11"	General purpose batten
7	5'-7"	General purpose batten
8	6'-3"	Moveable 1 st Boarder
9*	7'-7"	Orchestra shell ceiling piece #1
10	8'-10"	Moveable 1 st Legs
11	9'-7"	General purpose batten
12	10'-3"	General purpose batten
13	10'-11"	General purpose batten
14	11'-7"	General purpose batten
15	12'-3"	2 nd Border
16	12'-11"	2 nd Legs
17	13'-7"	General purpose batten
18*	14'-3"	2 nd Electric
19	14'-11"	General purpose batten
20	15'-7"	General purpose batten
21	16'-3"	General purpose batten
22	16'-11"	General purpose batten
23	17'-7"	General purpose batten
24	18'-3"	General purpose batten
25*	19'-7"	Orchestra shell ceiling piece #2
26	20'-9"	General purpose batten
27*	21'-7"	3 rd Border
28*	22'-3"	Mid stage traveler
29	22'-11"	General purpose batten

30*	23'-7"	3 rd Electric
31	24'-3"	General purpose batten
32	24'-11"	General purpose batten
33	25'-7"	General purpose batten
34	26'-3"	General purpose batten
35	26'-11"	General purpose batten
36	27'-7"	Moveable 3 rd Legs
37	28'-3"	General purpose batten
38	28'-11"	General purpose batten
39	29'-7"	General purpose batten
40	30'-3"	General purpose batten
41*	31'-7"	Orchestra shell ceiling piece #3
42	32'-8"	4 th Border
43	33'-7"	4 th Legs
44	34'-3"	General purpose batten
45	34'-11"	General purpose batten
46	35'-7"	General purpose batten
47*	36'-3"	4 th Electric
48	36'-11"	General purpose batten
49	37'-7"	General purpose batten
50	38'-3"	5 th Border
51	38'-11"	Black Scrim
52*	39'-7"	Orchestra shell ceiling piece Choir #4
53*	40'-3"	US Traveler
54	40'-11"	Cyc Electric (Powered by drop boxes)
55	41'-7"	General purpose batten
56	42'-3"	General purpose batten
57*	42'-11"	Cyc

* indicates a dedicated batten which item cannot be moved (we will not strip electrics)

SOFT GOODS

The theatre is equipped with a full set of black masking and draperies, all with 50% fullness sewn in.

4 pair legs	2pair 8' - 0" x 26' - 0", 2pair 10'-0" 26'-0"
5 borders	52' - 0" x 10' - 0"
1 midstage traveler Black	52' - 0" x 26' - 0"
1 upstage traveler Black	52' - 0" x 26' - 0"
1 white Cyc	62' - 0" x 26' - 0"
4 Side Tab Curtains Hung SL and SR on a track (fixed)	10' - 0" x 26' - 0"
1 black scrim	60' - 0" x 26' - 0"

All soft goods except the scrim are hung for maximum masking and any re-hanging of these goods must be cleared by the House Technical Director prior to load in.

Ballroom Specs

We have a full formal Ballroom with Terrazzo floor and 14 foot ceiling height. The Monitor sound system for the Main stage can be used as a PA system in the Ballroom. With platforming and this system the Ballroom can be arranged in to a very nice Big Band or Jazz Ensemble performance space. Ballroom can seat, with Band, approximately 500-750.

ADDITIONAL EQUIPMENT

Full concert orchestra shell and ceiling (Main stage only)
84 Manhasset music stands
60 music stand lights
Conductor music stand
Conductor podium
110 black straight back chairs
24 - 4'0"x 8"0" Wenger platforms, 4 – 4'0"x 4'0"
Platform legs at 8", 16", 24", 32", and 40"
2- portable Lecterns 1 pre miced, 1 no mic
Steinway 9' Grand piano
Steinway 7' Grand piano
Boston Steinway upright piano
Wardrobe steamer, 2 irons and boards
2 Rosco 3000 Fog Machine

SUPPORT FACILITIES

Dressing rooms:

Stage Level:

2 individual dressing rooms stage left with sinks, toilets and showers
2 multi-person (10 people) dressing rooms stage right with bathrooms with sinks, toilets and shower.
1 multi-person (15 people) dressing room stage right with bathroom and large shower
1 bathrooms stage right with sink and toilet
Green room on Stage level Stage right level, refrigerator, microwave

Upper Level:

1 group dressing room Stage Right (40+ people) with sinks and toilet on the upper level
1 multi-person dressing room Stage Right (15 people) with sinks and toilet
1 smaller dressing room Stage Left (5-7 people) with sink and toilet
Musicians warm up room on with bathroom (Can be Dressing room if needed.)

Basement Level:

Washer and 2 dryers
(Dressing room use subject to availability)