



Bologna Performing Arts Center **Technical Information Package** *Delta & Pine Land Theatre*

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FACILITY DESCRIPTION:

The Bologna Performing Arts Center, a multi-disciplinary facility, opened its doors September 1, 1995. The Center houses the 1154 seat Delta & Pine Land Theatre and the 145 seat Recital Hall.

TECHNICAL SPECIFICATIONS:

SEATING

- ◆ Seating is continental with 2 designated wheelchair accessible and easy access areas. Please see the seating chart for layout.

STAGE DIMENSIONS

- ◆ 30'h. x 50'w. Proscenium.
- ◆ Stage depth from plaster line @ center line is 39'-2".
- ◆ The forestage edge is 16'8" from plaster @ center line with orchestra pit lift raised. When the lift is lowered the forestage edge is 5'8" from plaster @ center.
- ◆ The stage left wall is 53' 7" from center line. 28'-7" from proscenium edge.
- ◆ Center line to locking rail (stage right) is 41'-10", 16'10" from proscenium edge.
- ◆ The height stage left is 29'10". The height stage right is also 29'10". Two sections of the orchestra shell live in this wing space.

FLY SYSTEM

- ◆ The locking rail is located stage right @ stage level.
- ◆ The loading bridge is stage right @ a height of 56'.
- ◆ The grid floor is @ a height of 65'.
- ◆ Rigging is overhung with loft blocks @ a height of 71'.
- ◆ There are 56 line sets not including the fire curtain, which is line set 0.
- ◆ All operating lines are rigged with 1" manila.
- ◆ General purpose line sets are rated @ 1900lbs with 10' arbors.
- ◆ Electrics are rated @ 3000lbs with 15' arbors.
- ◆ All battens are 64' long.
- ◆ General purpose battens fly to a height of 63'. In trims are 3'-0".
- ◆ Out trims for all permanent electrics are 50'-0". In trims are 2'-8".
- ◆ Out trims for the 2 Orchestra Shell ceilings are 50'-9".
- ◆ Out trims for the House Curtain, House Border, and the Mid-stage Traveler are 30'-0".
- ◆ There are 4 side light ladders each 12'x8'. These are line sets 5,7,43, & 49. Please see ground plan.
- ◆ There are pin rails stage left & right @ 29'-10". Currently there are no spot lines rigged.
- ◆ The stage left pin rail is also used as an intermediate loading bridge.
- ◆ The fire curtain is fabricated of Zetex.
- ◆ There are 5 smoke doors in fly loft roof. They can be manually opened from stage level.

MASKING

- ◆ The main curtain & grand teaser are deep green velour with 50% fullness.
- ◆ Main curtain can be operated as a traveler or as a guillotine.
- ◆ The grand teaser can also be used as the main curtain.
- ◆ All masking is black, heavy weight velour with 0% fullness.
- ◆ There are 5 sets of legs measuring 32'x16'.
- ◆ There are 4 borders measuring 12'x64'.
- ◆ There is 2 full stage blackout made of two panels measuring 32'x34'. It is black, heavy weight velour with 0% fullness.
- ◆ There is a white leno filled scrim used as a bounce for RP screen. Dimensions are 33'x64'.
- ◆ There is a black sharkstooth scrim. Dimensions are 33'x64'.
- ◆ Please see line set schedule for current and permanent rigging.

LIGHTING CONTROL

- ◆ Control console is an ETC Ion XE light board with One (1) touch screen monitor
- ◆ Control protocol is DMX-512. House dimmers must be addressed as dimmers 1 > 512.
- ◆ The theatre is dimmer per circuit with 288 dimmable circuits and 18 “non-dims”.
- ◆ Dimmers are 2.4k Colortran Dimension 192's.
- ◆ All “non-dims” can be soft patched as regular dimmers.
- ◆ The dimmer room is climate controlled.
- ◆ All circuits are rated @ 20 amps. The light board is located in the booth at the rear of the mezzanine. There is also positions @ the stage left proscenium. Auxiliary DMX receptacles are located stage left, stage right, on each catwalk, and the booth.
- ◆ There are Seventeen (17) Net 3 Permanent Positions. Fourteen (14) are one (1) port and three (3) are two port. There are Six (6) Portable Net 3 nodes. Four (4) are single port, one (1) is two port.

LIGHTING INVENTORY

- ◆ All units are Colortran 5/50's. Please see attached sheets for a complete inventory.

LIGHTING BATTENS

- ◆ There are 4 permanent electrics. Lengths are 64'. Please see line set schedule for locations.
- ◆ Electrics 1, 2, and 4 have 30 dimmable circuits, 2 non – dims each & 2 work-light circuits. All circuits repeat.
- ◆ Electric 3 is made up of 4 drop boxes, 2 SL and 2 SR
- ◆ Electric 5 has 24 dimmable circuits. All circuits repeat.

FLOOR POCKETS

- ◆ In lieu of floor pockets there are circuits mounted on the stage walls downstage right, upstage right, and upstage left. Each of these locations has 6 dimmable circuits and 1 non-dim with both a stage pin and Edison receptacle.

FRONT OF HOUSE LIGHTING

- ◆ There are 2 torm positions immediately downstage of the proscenium. Each position has 8 circuits with 1 non-dim.
- ◆ Catwalk 1 is 1'-6" down stage of proscenium. Height is 30'. Length is 56'. (This position is useful only for limited downlight on forestage). There are 28 dimmable circuits and 2 non-dims. All circuits repeat.
- ◆ Catwalk 2 is 43' down stage of plaster @ a height of 53'6". Length is 75'. There are 28 dimmable circuits and 2 non-dims. All circuits repeat.
- ◆ Catwalk 3 is 80' down stage of plaster @ a height of 45'. Length is 75'. There are 18 dimmable circuits and 2 non-dims. All circuits repeat.
- ◆ Each catwalk has an upper and lower hanging position.
- ◆ The Follow spot Booth is located above and to the rear of the balcony.
- ◆ The throw from the follow spot booth is 113'.
- ◆ There are (3) three Lycian 1275 1500 Watt follow spots. (*Purchased June 2016*)
- ◆ While there are circuits located on the balcony knee wall, there is not a balcony rail lighting position.
- ◆ The Follow Spot Booth, Light Booth, and Orchestra Pit share 4 dimmable circuits.

SOUND

- ◆ The Sound Booth is located adjacent to the Lighting Booth.
- ◆ The mixing console is located in the rear orchestra, house left area.
- ◆ There is a dedicated house mix position for touring shows. This is located in the center of rear house (under balcony). This is a permanent position and cannot be moved under any circumstances. Please see seating chart. Measurements: 11' W x 10' D

MIXING CONSOLE

- ◆ The mixing console is a Behringer X32 digital console
- ◆ There are 32 inputs
- ◆ 16 XLR outputs plus 6 additional line in/outputs and 2 phones connectors
- ◆ Main LCR, 6 matrix buses and 16 mix buses each featuring inserts
- ◆ 6-band parametric EQ's and full dynamics processing
- ◆ Virtual FX rack featuring 8 true-stereo FX slots

- ◆ 25 Motorized Faders

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- ◆ Channel LCD's
- ◆ A spare mixing console is available, a Crest Century Series Gtx.
- ◆ There are 32 inputs. 28 mono & 2 stereo inputs.
- ◆ Each input module has a four band sweep parametric eq and an adjustable high pass filter.
- ◆ 48-volt phantom power is available on each input.
- ◆ There are left/right and mono outputs as well as 8 group outs, 6 aux. outs, and 8 matrix outs.
- ◆ The mono out controls two mono speaker clusters.

LOUDSPEAKERS

- ◆ The 16-box line array is tri-amplified and provides coverage for the orchestra, mezzanine, and balcony.
- ◆ The array consists of 8 flown JBL VTX-V20 line array enclosures, per side.
- ◆ The entire system is controlled and monitored, using JBL Performance Manager software. Front-end graphic and parametric EQ are available via the provided FOH computer.
- ◆ All amplifiers are Crown iTech 4x3500's. There is a total of (36) amp channels in the system.
- ◆ Low frequency reinforcement is provided by (4) JBL Dual 18" G28 subwoofers, which are located left and right at the proscenium.
- ◆ Front fill is provided by (4) JBL AC-16 (6" with 1" HF) spaced across the lip of the pit.
- ◆ There are multiple Audio/Video Service panels located through out the theatre.
- ◆ Each AVS panel has multiple speaker outputs (speakon) and video outputs (bnc).
- ◆ There are 3 amplifiers for stage monitors. They are Crown XLS 2500's.
- ◆ A Crown XLS 802 is used and a spare and can also be used for stage monitors.
- ◆ Stage monitor speakers are 2 Electro-Voice FM-120ER's with speakon connectors, 4 Community CSX38-S2, 3 Yamaha DXR8 powered speakers and 4 EAW Micro wedges
- ◆ Microphones in stock include

SM 58 x8	SM 58s x1	Beta 58 x3	SM 81 x4	SM 57 x6
E906 x2	Beta 52 x1	E 604 x3	AKG C414 x 2	ATW T220 wireless x8
ATW T210 wireless x6	Audio Technica Ear Mic x5	Countryman Ear Mic x1	Lapel Mic x7	PG Drum Mic Kit

- ◆ Wireless microphones are 8 Audio Technica ATW-T220a Hand Held.
- ◆ We have 6 Audio Technica ATW-T210 Body Mics with 1 countryman mics, 6 Audio Technica mics, and 7 Lapel.
- ◆ There are 2 AKG 414B/ULS microphones that are also available for special applications.
- ◆ There are 9 DI boxes and 2 Dual DI boxes.

MONITOR/ INTERCOM

- ◆ 2 monitor systems service the D&PL Theatre. 1 feeds the lobby & patron bathrooms. The second feeds all backstage areas including dressing rooms, the green room, follow spot booth, and lighting/ sound booths.
- ◆ Lobby paging can be accomplished from the ticket office.
- ◆ Backstage paging can be accomplished with ClearCom headset/ handset plugged @ the CC MR-102 stations located proscenium stage left and right.
- ◆ Production paging overrides monitor volume levels set locally.
- ◆ There is a Williams FM hearing assistance system operating @ 72.9 mhz. Headsets and receivers are available @ the ticket office.
- ◆ There is a 2 channel ClearCom intercom system stations in each dressing room, green room, and ticket office.
- ◆ Stage managers cannot currently monitor both channels simultaneously.
- ◆ There is a ClearCom WBS-670 Wireless Intercom System with 4 WTR-670 Wireless belt packs available. This system is interfaced with the wired ClearCom System.
- ◆ For the Wired System, there are 12 RS-501 belt packs, 9 single muff headsets (CC-85B), 2 small headsets, and 4 handsets available.
- ◆ There are 2 ClearCom MT-1 Isolator Circuit Cards to interface visiting ClearCom Systems with the House System.

COMPANY SWITCHES

- ◆ Two (2) 400-amp 5 wire switches for lighting are located next to FOH patch panel adjacent to the loading dock.
- ◆ One (1) 200 amp. 5 wire switch for miscellaneous use.
- ◆ One (1) 100 amp. 5 wire switch for miscellaneous use.
- ◆ There is an 11" square pass through to the stage.
- ◆ One (1) 200 amp. 5 wire switch for audio tie in is located stage left. All connections are bare end.
- ◆ **There are no provisions for power stage right.**

ORCHESTRA PIT

- ◆ The orchestra pit seats 35 comfortably.
- ◆ 63 music stands with 26 lights.
- ◆ 75 grey orchestra chairs, 7 padded stools & 6 non-padded stools
- ◆ The lift is hydraulically operated. It lowers to audience level and when completely lowered (8' depth) becomes part of the orchestra pit. The lift can be operated from 4 different locations: stage left proscenium, lift, orchestra pit left, and orchestra pit right. The lift has sensors which stop

movement if tripped. They must be reset from the lift mechanical room adjacent to the orchestra pit in order to continue movement.

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- ◆ We have a concert grand (Baldwin) piano, housed in the D&PL Theatre. Tuning must be requested in advance.

VIDEO PROJECTION

- ◆ The video projection system consists of Epson Pro L1300 Laser LCD projector.
- ◆ The projector is 8000 lumens.
- ◆ Inputs are HDMI and VGA
- ◆ A client provided computer is recommended.

DRESSING/ LAUNDRY ROOMS

- ◆ Dressing rooms are located backstage left.
- ◆ 2 - 18 person "ENSEMBLE" rooms with full bathrooms.
- ◆ 2 - "STAR" dressing rooms. Both have full bathrooms.
- ◆ Dressing rooms share a common Green Room. Green Room is quipped with a full size Refrigerator.
- ◆ Equipped with wireless internet service.
- ◆ All dressing rooms have overhead fluorescent lights and incandescent lights over mirrors. These are controlled separately.
- ◆ Each dressing room has built in wardrobe racks.
- ◆ 6 rolling wardrobe racks are available upon request.
- ◆ A small laundry room is located next to the dressing rooms.
- ◆ Laundry room has built in wardrobe racks. One (1) heavy-duty Washing Machine, One (1) heavy-duty Electric Dryer, and Two (2) Household Irons w/ Ironing Boards along with Two (2) Steamers are available.

LOADING FACILITIES

- ◆ The loading dock is located off stage left @ stage level.
- ◆ There are inner and outer doors both measuring 14'hx10'w.
- ◆ From dock to stage is a straight shot.
- ◆ Dock height is 30.5". There is a light weight dock plate. A dance floor ramp is preferable if available on truck.
- ◆ The dock can accommodate 1 semi-trailer and bus. Width is 18'6".
- ◆ The loading dock has 1 60-amp 220v switch for shore power and an additional 2 switches are located nearby.

Lighting Inventory

Instrument Type	Wattage	In Stock
Colortran 5° ERS	1000	8
Colortran 10° ERS	1000	16
Colortran 15° ERS	1000	24
Colortran 20° ERS	1000	24
Colortran 30° ERS	1000	31
Colortran 40° ERS	1000	33
Colortran 6” Fresnel	1000	41
Colortran 8” Fresnel	2000	34
Source 4 14°	575	20
Source 4 19°	575	30
Source 4 26°	575	38
Source 4 36°	575	38
Source 4 50°	575	14
4 Cell Cyc Lights		6
6’ R40 Striplight	1000	8
Lycian	1275	3
Accessories		
7.5” tophats		36
10” tophats		12
7.5” barndoors		11
10” barndoors		12
Template holders	Colortran	26
Template holders	Source 4	34
Short sidearms		18
Long sidearms		18
2P&G> Edison adap.		10
Edison> 2P&G		8

adap.		
Floor mount bases		55

Lineset Schedule

Line set #	On line set currently	Dist. from plaster	Description	Change line set to, For: _____
0	Fire curtain	0'-3"	53' long, Zetex - permanent	Fire curtain
1	House border	0'-9.5"	50% fullness, green - permanent	House border
2	House curtain	1'-11.5"	50% fullness, green, traveler or guillotine - permanent	House curtain
3	Legs	3'-1.5"	32'x16', Black velour	
4		3'-8.5"		
5	DSL ladder			Instrument Storage
6	Electric #1	4'-10.5"	29 circuits - permanent	
7	DSR ladder			
8	Shell ceiling	6'-4"	45' x12' - permanent	Orch. shell ceiling
9		7'-2.5"	Hits the Shell when flown out, not good for a lineset that moves during performance	
10		7'-9.5"		
11		8'-4.5"		
12		8'-11.5"		
13		9'-6.5"		
14	Border	10'-1.5"	12'x64', Black velour	
15	Legs	10-8.5"	32'x16', Black velour	
16		11'-3.5"		
17	Electric #2	12'-5.5"	29 circuits - permanent	
18		13'-7.5"		
19		14'-2.5"		
20		14'-9.5"		
21		15'-4.5"		
22		15'-11.5"		
23		16'-6.5"		
24	Shell ceiling	18'-0"	45'x12" - permanent	Orch. shell ceiling
25		18'-10.5"	Hits the Shell when flown out, not good for a lineset that moves during performance	
26	Full Stage blackout (Border)	19'-5.5"	Black velour, 2 panels 32'x34'	
27	Legs	20'-0.5"	Legs, 32'x16', Black velour	
28		21'-2.5"		
29	Electric 2B (Made from Drop Boxes)	22'-4.5"	16 circuits — Made from (4) Drop Boxes	
30	Border #4	22'-11.5"	12'x64', Black velour	

Line set #	On line set currently	Dist. from plaster	Description	Change line set to, For: _____
31		23'-6.5"		
32		24'-1.5"		
33		24'-8.5"		
34		25'-3.5"		
35		25'-10.5"		
36		26'-5.5"		
37		27'-7.5"		
38		28'-2.5"		
39	Border	28'-9.5"	12'x64', Black velour	
40	Legs	29'-4.5"	32'x16', Black velour	
41		29'-11.5"		
42	Electric # 3	30'-1.5"	29 circuits - permanent	Electric #3
43	USR ladder			USR ladder – Instrument Storage
44	RP Screen	30'-8.5"	32'x64'	
45		31'-3.5"		
46		31'-10.5"		
47		32'-5.5"		
48	Electric #4 (Cyc)	33'-7.5"	29 circuits - permanent	Electric #4
49	USL ladder			
50		34'-2.5"		
51	Cyc (Bounce)	34'-9.5"	White leno, 31'x64'	
52		35'-4.5"		
53	Legs	35'-11.5"	12'x64', Black velour	
54	Border (storage)	36'-6.5"	32'x16', Black velour	
55	Black Scrim	37'-1.5"	32'x64', Black sharkstooth	
56	Full Stage Black	37'-8.5"	32' high, 50% fullness, black velour	

Notes:

- House border & curtain are dark green velour.
- All masking are black velour.
- Only line sets permanently rigged as electrics may be used as such.
- Circuit raceways are permanently mounted to electrics.
- All "general purpose" line sets are rated at 1900lbs.
- All electrics, including light ladders, are rated at 3000lbs.