

**CENTREPOINTE THEATRE
PRODUCTION SERVICES
Revised Jan 2008**

TECHNICAL NOTES

LIGHTING SYSTEM

The console is an ETC Insight III c/w Emphasis and wireless remote control. This is a computerized board that operates as either a complete manual 2-scene preset or as a fully programmable memory console. The board is operated from the control booth located at the back of the house. It has a wireless hand held remote. System includes a 3.5" disk drive backup.

The dimmers are Colortran D-192 digital dimmers. This is a dimmer-per-circuit installation, with 382 circuits. At the moment, only 270 dimmers are installed; however as this is a modular system, it is a simple matter to reassign active circuits in pairs. Fourteen dimmers are dedicated to house light control.

Most of the lighting instruments are also Colortran equipment. See inventory for details. All connectors are new style 20-amp twist-lock.

Basic hanging positions consist of 3 front-of-house catwalks and 5 onstage electric pipes. The 5 onstage pipes are dedicated to lighting use. If more onstage locations are required, a number of drop boxes and wall boxes are available. There are also downstage box booms of limited usefulness.

All of our colour stock is Rosco. Good stock of gobo's available. Some cable and twofers are available. There are two Super Trouper II follow spots available. A 3 phase 4 wire 400 amp touring board disconnect is available SL. A 3 phase 200 amp or 100 amp disconnect is also available SL as well as a 60 amp disconnect on SR. All are fitted with series 16 cam-lock connectors for quick set up. NB: Stock lighting plot *must* be restored, at users expense, if any changes are made.

LIGHTING EQUIPMENT INVENTORY

<u>Number</u>	<u>Instrument</u>	<u>Model</u>	<u>Bulb</u>	<u>Field</u>	<u>Frame</u>	<u>Notes</u>
35	ellipsoidal	Colortran	FEL 1kw	10 deg	10"	
47	ellipsoidal	Colortran	FEL 1kw	20 deg	7 ½"	
6	ellipsoidal	Colortran	FEL 1kw	30 deg	7 ½"	
5	ellipsoidal	Colortran	FEL 1kw	40 deg	7 ½"	
12	ellipsoidal	Colortran	FEL 1kw	15-35 deg	7 ½"	Zoom
20	ellipsoidal	Altman 6x9	EHG 750w	35 deg	7 ½"	
40	ellipsoidal	Source 4's	HPL 575kw			
	S-4 barrels: 13 @ 50 deg, 8 @ 36 deg, 11 @ 26 deg, 32 @ 19 deg.					
03	3" fresnel	Altman	ESR 100w	23-55 deg	3,3/4"	
34	6" fresnel	Colortran	BTR 1kw	12-75 deg	7 ½"	c/w b-doors
12	8" fresnel	Strand	BVW 2kw	08-62 deg	10"	c/w b-doors
69	parcan	F&E	1 kw	Various bulbs	10"	
7	FarCyc	Colortran	FDB 1500w	cyc pattern	16"	3 colour
2	Followspots	Strong ST-II	1600 watt			
08	Lighting stands, max. height 11'.					
02	Pin Spots suitable for use with our mirror ball.					
02	Gobo Rotator's, Rosco, fixed speed @ 2 rpm.					
8	Floor Floats					

SOUND REINFORCEMENT SYSTEM

The house-mixing console is a 40 mono, 8 stereo (48 channel, 56 input) Midas H-3000 located in the front rows of the balcony. Input to the mixing boards comes from a total of 95 microphone lines, which enter via an ADC patch bay. Lines are available on both sides of the stage, in the orchestra pit, the auditorium, and numerous other locations. There are also 24 line level returns from the patch bay to similar locations. All system inputs and outputs appear on the patch bay. The main output is through a centrally located ceiling mounted Meyer cluster consists of 4 @ UPA-1A, 2 @ USW-1, driven by Bryston 4B amplifiers. The fill system consists of 2 @ MLS-2A, 1CQ1, and a 650-R2 per side c/w controllers and CP10s, driven by Ashly amps. All of the house speakers have been "sim'ed". Onstage monitors consist of 4 JBL 4604B and 2 JBL G-731 wedges as well as 2 EAW SM-200iH driven by 2 4-B's, 1 Ashly FTX 2001. Booth monitors are JBL/4406. Microphones of various types are available, as well as stands and cable. We also have 2 cassette decks (one double and one single), 1 CD player and 2 mini disk players. AM hearing loop with 10 receivers. 1 @ 100' 24 channel *rapco* snake, 2 @ 50' 12 channel whirlwind snake, 1 @ 50' 6 channel snake. 4 small self-powered monitors, Yamaha MS202II.

The booth mix position has a Yamaha M1516A console with the following outboard equipment: dbx 166 stereo compressor/limiter, dbx 290 stereo reverb, Denon M2300R dual mini disk, Tascam CD-150 Cd player, Nakamichi MR2 cassette deck, Two Peavey Q231 stereo equalizers, and one Ashly 3102 stereo equalizer. Booth monitors are JBL 4406.

The house mix position contains a Midas Heritage 3000 mix desk, complete with insert patch bay, TC M3000, Yamaha SPX990, Klark Teknic DN500 stereo compress/limiter, DN514 quad auto gate, and two DN504 quad compress/limiters. Two Ashly 3102 stereo equalizers are inserted in aux's 1 through 4, and two JBL/Urei 5547 equalizers are inserted on the left/center/right outputs. Headphones are AKG K240m. We have a Bantam Patch Bay

AUDIO EQUIPMENT INVENTORY

<u>Number</u>	<u>Item</u>	<u>Make</u>	<u>Model</u>	<u>Notes</u>
9	dynamic mic	Shure	SM58	
2	dynamic mic	Beyer	M160	
1	dynamic mic	Electrovoice	RE-20	
2	condenser mic	AKG	C-414	dual diaphragm
1	dynamic mic	AKG	D112	Base drum mic
4	condenser mic	Shure	Beta 87A	
2	condenser mic	Neumann	KM 105	
4	condenser mic	Neumann	KM-84i	shock mounts
4	condenser mic	Neuman	KM-184	shock mounts
4	condenser mic	Crown	PCC-160	floor mount
5	dynamic mic	Shure	SM 57	
4	dynamic mic	Sennheisser	MD 421	
2	dynamic mic	Sennheisser	504-D	
2	dynamic mic	Sennheisser	MD 441	
1	condenser mic	Shure	SM 99	
1	Contact Pickup	AMG	C-ducer	Attached to house 6' piano
3	6" table stands	Archer		
8	short mic stand	Atlas	TS-8	
10	standard stand	Atlas	MS-120	
6	heavy duty stand	Atlas	MS-20	
11	boom arms	Konig/Meyer	211	
6	direct box	Brook Siren	4 @ AR116 2 @ AR133 w/ phantom	

1	cassette deck	Nakamichi	MR-2	pitch control
1	mixing console	Yamaha	1516	16 input, 4x4 out
2	stereo equalizers	Ashley	3201	@ House mix position
1	Effects Unit	Yamaha	SPX 990 EP	@ House mix position
2	Quad Comp/Limiter	Klarke Teknic	DN 504	@ House mix position
2	Mini Disk	Denon	M2300R	Dual play/single record
2	CD Players	Tascam	CD150	Booth & House Mix
2	Wireless Mic's	Shure	U124D	Beta 87 UA
2	Wireless Mic's	Shure	UHFR	Beta 87 UA
1	Quad Auto Gate	Klarke Teknic	DN 514	@ House mix position
1	Comp/Limiter/Expander	Klarke Teknic	DN 500	@ House mix position
2	Stereo Equalizers	Peavey	Q231	

FX Rack including the following:

1	Dual Reverb & Effects	Electronics	M3000	@ House position
1	stereo comp/limiter	dbx	166	@ Control booth
2	31 band graphic EQ	JBL	5547	1 @ House
				1 spare
1	Stereo reverb	DBX	290	Project Series

COMMUNICATION

<u>Number</u>	<u>Item</u>	<u>Make</u>	<u>Model</u>	<u>Notes</u>
1	Base Station	HME	RW 800	1 Chl, wireless
1	Stage Manager St.	ClearCom	PM 120A	2Ch/spkr/paging
1	Intercom master	ClearCom	PS 452	2 channel (A,B)
4	Speaker stations	HME	WL742	2 channel
9	Belt pacs	HME	BH7201	
1	Belt pac	HME	BH721	2 channel pack
4	Belt pac	HME	BH 800	3 Freq's, wireless.
1	Double muff sets	Beyer	DT-109	
17	Single muff sets	Beyer	DT-108	
1	Handsets	Beyer		

There are 42 headset locations throughout the theatre and backstage. There is also a full program-sound monitoring system with paging capability.

DRAPERY AND MASKING INVENTORY

<u>Description</u>	<u>Number</u>	<u>Colour</u>	<u>Size</u>	
Main valence	1	Burgundy	60'w x 10'h	
Main drape	1 pr	Burgundy	60'w x c 28'h	
Legs	2 pr	Black	8'w x 27.5'h	2.5m x 8.5m
Legs	3 pr	Black	12'w x 27.5'h	3.5m x 8.5m
Legs	2 pr	Black	17'w x 27.5'h	5.0m x 8.5m
Borders	5	Black	60'w x 9 1/2'h	18.5m x 3mh
Traveller halves	2	Black	46'w x 27 1/2'h	18.5m x 8.5m
PVC cyclorama	1	Cream	60'w x 28'h	18.5 x 8.5
Scrim	1	Black	56'w x 22'h	

Main drape and traveller may be guillotined or travelled. Traveller halves make up a single black 60'w x 27 1/2'h. Both mains and traveller are rigged to stage right.

STAGING AND RIGGING

The fly system consists of 37 single purchase counterweight sets, each of which has a 1500-pound capacity. Several sets are dedicated to permanent use (electrics, etc.) Batten length is 60 feet. All masking is black velour, see inventory for details. The front portion of the stage is a Lambda style orchestra pit lift. It may be used in any position from about -12 feet to stage level; our orchestra pit safety net must be used. We have 2 Yamaha pianos (6' grand and 9' concert grand), 70 chairs and 45 music stands with lights available.

RISERS

5 @ 6" x 4' x 8'

5 @ 18" x 4' x 8'

5 @ 30" x 4' x 8' c/w railings

2 @ 16" x 4' x 8'

LOADING DOCK

The dock height will accommodate tracker trailers. The roll door opening is 8' wide by 9' high.

The ceiling height inside the loading dock area is 10'-10".

Shore power consists of 3 @ 20amp twist-lock separate circuits.

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COUNTERWEIGHT FLY SYSTEM LINE PLOT Capacity 682 kg

<u>Line</u>	<u>Distance</u>	<u>Normal Usage</u>	<u>Notes</u>
01 *	6"	Fire curtain	permanent
02 *	7"	Burgundy valance	permanent
03 *	1' 5"	Burgundy main drape	permanent
04	2' 10"	EMPTY	
06 *	4' 2 ½"	1st Electrics	30 ccts
07	4' 10"	EMPTY - very tight to the first Lx.	Limited use.
08	5' 10"	#1 Legs, 39' (dimensions are house opening)	
09	6' 6"	EMPTY	
10	7' 2"	EMPTY	
11	7' 10"	# 2 border 18'6" (dimension is house trim)	
12	8' 5"	#2 Legs 39' (dimensions is house trim)	
13	9' 5"	EMPTY	
14	10' 1"	EMPTY	
15 *	10' 9 ½"	2nd Electrics	30 ccts
17	12' 8 ½"	EMPTY	
18	13' 5"	EMPTY	
19	14'	EMPTY	
20 *	14' 10"	Traveller (Legs #3) 39' x 18'6"	
22 *	16' 3"	3rd Electrics	20 ccts
24	17' 5"	EMPTY	
25	18' 3"	EMPTY	
26	19' 1"	EMPTY	
27	19' 10"	EMPTY	
28	20' 10"	#4 Legs & Border, 39' x 18'6"	
29	21' 5"	EMPTY	
31 *	23' 4"	4th Electrics	20 ccts
33	24' 5"	EMPTY	
34	25' 4"	#5 Legs and Border 39' x 18'6"	
35	26' 0"	EMPTY	
36	26' 7"	cyclorama lighting	
38	28'	EMPTY	
39 *	29' 4 ½"	5th electrics	20 ccts
41	30' 4 ½"	EMPTY	
42	31' 5"	Black drop	
44	32' 7"	EMPTY	
45 *	33' 7"	Cyclorama	
46	34' 1"	EMPTY	
--- *	35' 1"	Storage pipe only	electric winch

All distances are given from the setting line; i.e., the upstage side of the proscenium wall. Legs and border pipes can be changed, but normally are in positions listed above. Any line set with * is not changeable. If masking is moved, it must be restored after the show to stock configuration.

PRODUCTION SERVICES

Dimensions of Interest

	Imperial	Metric (in meters)
Grid Height	50' 1"	15.24
Main Loading Door	7'10"w x 8'11"h	2.38w x 2.71h
Stage Loading Door	7'8"w x 7'9"h	2.33 w x 2.36h
Wheelchair Lift	78.5"h x 32"w x 61"d	1.9h x .81w x 1.54d
Proscenium Opening	44'9"w x 26'h	13.63w x 7.92h
Optimum Masking Width (approx.)	40'	11.88
Optimum Masking Height (approx.)	18'	
Maximum Width of Stage	80'2"w, less fly rail=76'7"	24.38; 23.39
Maximum Depth of Stage	a) 37' 3 ½ curtain line to concrete wall	11.35
	b) 39' 4 ½" setting line to concrete wall	11.99
	c) 47'7" apron ds edge to concrete wall	14.5 not including pit
	d) 53' 1 ½" apron point to concrete wall	16.19
	e) 37'6" apron ds to cyclorama	11.44
Stage left stairwell obstruction	7'6" from S L wall	2.29
	21'10" forward from back wall	6.65
Crossover obstruction USR	4'ds x 12w, 7'from SR wall	1.2 3.65 2.13
Wing Space	15' SR (8' with legs in)	4.6 prosc to flyrail
	17' 8 1.2" SL (10' with legs in)	4.88 prosc to wall