



Palace Theatre

Seating Capacity: -----2714
 Stage Door Access: -----E. 17th St. (between Euclid & Chester Ave.)
 24 hr. Receiving Address: -----1650 Chester Ave. (State Theatre Stagehouse)
 Cleveland, OH 44114

PlayhouseSquare

Proscenium opening: -----53'-8" w 26'-9" h
 Grid height: -----79'-0"
 Lip to Plaster Line -----2'-6" (apron)
 Lip to back wall: -----39'-2 1/2"
 Curtain line to lip: -----3'-8"
 Plaster line to last lineset: -----35'-6"
 Last set to back wall: -----0'-6"
 Number of battens: -----42
NOTE: PERMANENT PICTURE SHEET ON LINESSET #6
 Length of batten: -----56'-3"
 Extensions: -----3'-6"
 Number of spot sheaves: -----25
 Distance between battens: ---- linesets 1-40 = 9"
 Note: 3'-0" space between linesets 21-22—No battens!
 linesets 41-2 = 6"
 Travel of batten: -----71'-6"
 Weight capacity: -----1760# linesets 1-40
 1000# linesets 41-2
 Locking rail to opposite wall: 88'-8"
 Fly floor on stage (SR) and @ 35'-0" (pinrail)

STAGE DOOR ACCESS

SL WING: -----17'-6" w x 38'-0" d
 SR WING: -----17'-6" w x 37'-0" d (Fly rail & access to dressing rm. Tower)
 Stage floor to bottom of lowest catwalk: -38'-10" SR- 38'-7" SL
 Centerline to catwalk: -----32'-0" SR -- 32'-0" SL
 Stage floor to aud. Floor: -----3'-5"
 Stage floor to orch. Pit floor: -- 8'-0" @ playing ht.
 Aud. Floor to orch. Pit floor: --- 4'-7"
 Stage floor to balcony rail: --- 11'-0" (vertical plane)
 Stage floor to FOH perches: -- 40'-0" light bridges (vertical plane)
 Centerline @ 0'-0" to; balcony rail: -----48'-6"
 box booms: -----56'-0" HL & HR
 perches: -----78'-0" on diag
 -----31'-6" off CL
 -----53'-0" fm 0'-0"
 booth: -----139'-6"
 back of last row of seats:
 -----114'-0" orchestra
 -----114'-0" balcony
 Orchestra pit: 46'-0" w x 9'-5" d (also **Spiralift** to dimension)
 Avg.# of musicians = 20 persons w/stands & instruments
 Note: Pit ht. Is adjustable fm 12'-0" under aud. floor, to stage level
 Loading door: 10'-0" h x 7'-9" w, on SL, right angle turn fm truck to
 door on temporary dock assembly (8'-0" w x 12'-0" d)

SOFT GOODS

Legs: 10 @ 11'-0" w x 31'-9" h
 Borders: 3 @ 56'-0" w x 15'-0" h
 2 @ 56'-0" h x 10'-0" h
 Scrim: 1 white, 1 black @ 56'-0" w x 32'-0" h
 Drops: 1 black traveler @ 56'-0" w x 32'-0" h
 (w/fullness, center split)
 1 black/2-panel blackout @ 56'-0" w x 32'-0" h
 1 natural cyc @ 56'-0" x 32'-0" h

ROAD POWER: 4 set-ups of 3-phase, 4-wire @ 600 amps per leg

(on SL jump, 35'-0" fm stage floor, access by freight elevator)
 SL: 1—200 amp service, on DS wall
 1—100 amp/isolated 60-cycle sound service
 SR: 1—200 amp service, on US wall
 Booth: 1—100 amp service

Spotlights: 3—Xenon **Strong Supertrooper**, 2kw (booth)
 2—**Lycian Super Arc 400** standard throw (perches)

Lighting: 40 Source4 10° leko
 56 Source4 24° leko
 34 Source4 19° leko
 8 4-lamp ACL bar
 86 PAR 64 1k MFL
 24 PAR 56 300w MFL
 14 PAR 56 strips
 10 ray-light converters for PAR 64
 20 LE Broad Cyc 6571, 3-color, 1k

HOUSE PLOT

Control: **Strand Light Palette (Sub) v.1.06.00**
 366.....2.4kw dimmers
 8.....8kw dimmers

NOTE: Theatre is contracted w/House Plot unless noted, contact T.D.

RISERS: **Wenger** (folding leg, interlocking)
 6 @ 16" h x 4' x 8'
 4 @ 24" h x 4' x 8'
 6 @ 32" h x 4' x 8'
 4 @ 8" h x 4' x 8' (black wooden platforms)

SOUND: **Nexo Series PA**,
 see sound attachment for equipment, efx & equipment

FILM PROJECTION: screen is permanently hung on lineset #6, masked by
 traveling legs and border on lines 5 & 4 respectively.
 Projector: **Kinoton** Type FP23, 35mm, xenon, optical-
 monaural sound, lenses & apertures for 1.33:1, 1.85:1 & 2.35:1
 aspect ratios
 Screen: 20'-6" h x 47'-6" w **Hurly Superglo**, perforated
 for sound 21'-6" x 48'-6" frame, (20'x47' usable screen area)



PDF drawings available at:

<http://www.playhousesquare.com/minisites/specs/>



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House Electrician/Steward: -----Robert Higham

House Sound Engineer: -----Robert Mingus





SOUND EQUIPMENT

A STEREO SYSTEM!



HOUSE MIX CONSOLE: **Yamaha M7CL48**, 48 channel

- 1 Denon Combi-Deck cassette tape/cd player deck
- 1 JVC compact disc player
- 1 Panasonic SV 3800 DAT player/recorder

HOUSE Speaker System and amplification

- Center Cluster: 11·· Nexo Geo S1210 Nexo 4x4 amplifier
1·· Nexo Geo S1230 Nexo 4x4 amplifier
- Hang Left: 11·· Nexo Geo S1210 Nexo 4x4 amplifier
1·· Nexo Geo S1230 Nexo 4x4 amplifier
- Hang Right: 11·· Nexo Geo S1210 Nexo 4x4 amplifier
1·· Nexo Geo S1230 Nexo 4x4 amplifier
- Stack Left: 3·· Nexo Geo S1230 Nexo 4x4 amplifier
- Stack Right: 3·· Nexo Geo S1230 Nexo 4x4 amplifier
- Subs 4·· Nexo S2 Nexo 4x4 amplifier
- Side balconies 2·· Nexo Geo S1230 Nexo 4x1 amplifier

- Under Balcony
- Front 6·· Nexo Geo S1230 Nexo 4x1 amplifier
- Rear 5·· Nexo Geo S1230 Nexo 4x1 amplifier
- Balcony Perch delays
- Left Perch 4·· Nexo Geo S1230 Nexo 4x1 amplifier
- Right Perch 4·· Nexo Geo S1230 Nexo 4x1 amplifier

House & Tech monitor/page system:
a 4-channel Clear-Com System
stage/backstage page

MONITOR WORLD

MONITOR MIX CONSOLE: **Yamaha 4000**, 48 channel

MONITOR EQ: 9···· Klark-Teknic DN360 (dual)

MONITOR SPEAKER SYSTEM:

- 8···· JBL 4828 slants (12" spkr, 1" horn)
- 2···· JBL 4873 sidefill (3-way)
- 4···· JBL wedge (15")

MONITOR AMPLIFIERS:

- 2 racks for 8 slants, comprised of;
 - 2···· Crown Micro-tech 600, high
 - 2···· Crown Micro-tech 1200, low
 - 2···· BSS crossover/limiter (4ch)
 - 4···· KT DN 360 (dual)
- 1 rack for 2 sidefills, comprised of;
 - 1···· Crown Micro-tech 600, high
 - 2···· Crown Micro-tech 1200, mid & low
 - 2···· BSS FDS 360 crossover/limiter
 - 1···· KT DN 360 (dual)
- 2 racks for 4 JBL wedges, comprised of;
 - 2···· Klark-Teknic DN 360
 - 4···· BSS FDS 360 crossover/limiter
 - 2···· KT DN 360 (dual)
 - 4···· Yamaha P2200 amplifier

Note: these racks also power subs w/ 2 additional P2200 amps

MICROPHONES:

- 6···· Shure Beta 58
- 10···· Shure SM58
- 20···· Shure SM57
- 6···· E-V ND408
- 6···· Sennheiser 421
- 6···· Sennheiser 441
- 1···· Shure SM81
- 1···· SM91
- 1···· AKG 451
- 2···· AKG C568EB (shotgun)
- 4···· Beyer 500
- 5···· Crown PCC 160
- 4···· Crown PZM
- 2···· AKG C460B (area/hanging)
- 14···· Countryman DI type 85
- 2···· AKG C460B (lecturn mics)
- 1···· RE 20
- 4···· Countryman 150MAX11-0
- 2···· Beyer MCE-5 (installed over organ bays)



#	HOUSE HANGING PLOT	FM 0'-0"	NOTES/ROAD HANG
PL SP	PLASTER LINE SMOKE POCKET	-4"	
0-0	0"-0"	0'-0"	HOUSE CURTAIN LINE
1	BORDER	0'-9"	
2	LEGS	1'-6 ¼"	
3	ELECTRIC #1	2'-3 ¼"	
4	BORDER - SCREEN	3'-0"	
5	LEGS TRAVELER - SCREEN	3'-9"	
6	PICTURE SHEET	4'-6 ½"	PERMANENT HANG!
7		5'-4"	
8		6'-1 ½"	
9		6'-10 ½"	
10	BORDER	7'-8"	
11	LEGS	8'-4 ¾"	
12		9'-2 ½"	
13		9'-11 ¾"	
14		10'-9"	
15		11'-6"	
16	ELECTRIC #2	12'-3 ¼"	
17		13'-¼"	
18	BORDER	13'-10"	
19	LEGS	14'-7"	
20		15'-4 ¼"	
21		16'-1 ½"	
22	ELECTRIC #3	18'-1 ¾"	NOTE GAP TO #21
23		19'-2 ¼"	
24	FULL STAGE BLACK-OUT	19'-10"	
25	BORDER	20'-5 ½"	
26	LEGS	21'-2 ½"	
27		22'-0"	
28	ELECTRIC #4	22'-9"	
29		23'-6 ½"	
30		24'-8 ½"	
31		25'-6 ½"	
32	BORDER	26'-2 ½"	
33	LEGS	27'-0"	
34	BLACK SCRIM	27'-9 ½"	
35		28'-6 ½"	
36	ELECTRIC #5	29'-3 ¾"	
37		30'-1 ½"	
38		30'-10"	
39		31'-7 ¼"	
40	NATURAL CYC	32'-4 1/3"	
41		33'-2"	
42	FULL STAGE BLACK TRAVELLER	33'-11"	



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