

**SHUBERT THEATER**  
**247 College Street, New Haven, CT 06510**  
**203-624-1825**

**TECHNICAL SPECIFICATIONS and EQUIPMENT INVENTORY**

**HALL SEATING CAPACITY**

<b>Orchestra</b>	665
<b>Mezzanine</b>	474
<b>Balcony</b>	392
<b>Boxes</b>	60
<b>TOTAL</b>	<b>1591</b>

**STAGE DIMENSIONS**

**EXACT MEASUREMENTS OF DISTANCES**

Deck to grid	65'-0"
Width of Proscenium opening	38'-3"
Height of Proscenium opening	30'-0"
Deck of Loading Bridge	55'-0"
Deck of Fly Floor	29'-0"
Clearance under Fly Floor (allowing for ventilation ducts)	24'-0"
Curtain line to back wall	36'-0"
Curtain line to front apron	5'-0" (at Center)
Curtain line to first system pipe	0'-10"
Curtain line to last system pipe	35'-5"
Center line to Stage Right	50'-0"
Center Line to Stage Left	41'-0"
Height of #1 Box Boom	29'-4" (from Auditorium Floor)
Height of #1 Box Boom	4'-0" (from Box Floor)
Distance from Wall of #1 Box Boom	1'-1"
Height of #2 Box Boom	33'-6"
Length of #2 Box Boom	14'-0"
Distance from Wall of #2 Box Boom	1'-0"
Distance from Proscenium of #2 Box Boom	19'-6"
Distance from #13 Balcony Rail to Edge of Stage	32'-8"
Height of #1 Balcony Rail	11'-5" (from Auditorium Floor)
Length of #1 Balcony Rail	18'-0"
Height of #2 Balcony Rail	28'-5" (from Auditorium Floor)
Distance from #2 Balcony Rail to edge of Stage	46'-8"
Length of #2 Balcony Rail	60'-0"
Distance from Light Booth to Edge of Stage	73'-0"

**PLEASE NOTE:**

Balcony Rail prevents follow spots from hitting the stage apron or the conductor in the pit

**CROSSOVER** through trap room

**STAGE FLOOR** is softwood, not concrete covered in masonite.

## HOUSE DRAPERY

**House curtain** is a southern Rose colored drop, chained and center is split.

<b><u>Legs</u></b>	3 pairs	Black Velour	30' x 10' flat
	2 pairs	Black Velour	30' x 12' flat
<b><u>Borders</u></b>	4	Black Velour	12' x 50' flat
<b><u>Cycloramas</u></b>	1	Blue	30' x 50' seamed
<b><u>Scrims</u></b>	1	Black	30' x 50' seamless
<b><u>Black-out Drop</u></b>	1	Black Velour	30' x 50' flat
<b><u>Bounce</u></b>	1	White	40' x50'

## CARPENTER SPECS

### **FLY GALLEY**

- All Counterweight Sets are five line sets
- The distance between sets is shown on the attached schedule
- Sets 1-36 are single purchase
- Sets 37-48 are double purchase
- All sets are overhung on grid
- Grid is clear to spot hemp pickup lines and/or full five line hemp sets
- Fly floor has a complete double pin rail
- Fly floor has one "mule"
- Locking rail is located on the fly floor stage left
- T-Track type counterweight system
- Arbors are 10ft long with a capacity of @ 1100 pounds
- System pipes are 50ft long
- Stage Right fly floor has a pin rail for electric pickups.

**LOADING DOOR** STREET LEVEL, located stage left off of College Street. It measures 8'x 10' (outside door) and OFFSET 8'-10' (inside door). Single truck alley.

**ELEVATOR** is located in loading area and goes to wardrobe and dressing rooms. It measures elevator door measure 4'-0' x 7'-0" and its inside dimensions 5'-6" x 6'-9".

**WARDROBE**

Theater has a complete wardrobe room equipped with two (2) washing machines and two (2) dryers. Theater also has irons and ironing boards. Wardrobe racks available and dressing rooms equipped with rack and shelves.

**DRESSING ROOMS - 11 TOTAL**

- 1 - stage level "star" or quick-change room located on stage right
- 4 - single or double occupancy rooms located in basement with showers
- 2 - triple occupancy rooms in basement
- 4- chorus dressing rooms in basement

ROOM NUMBER	SIZE	FACILITIES
1,2,3,4	11.5' x 5.5'	2 dressing tables, 1 bathroom w/shower Rooms 1 & 2 are connected Rooms 3 & 4 are connected
5,6	24.5' x 9'	7 dressing stations 2 sinks
7,8	8.5' x 9'	3 dressing stations, sink
9,10	32.5' x 9'	10 dressing stations, sink
Men's bathroom		sinks, toilets, showers
Woman's bathroom		sinks, toilets, showers
Company Manager/Production Office	12' x 12'	

**PHONE HOOK-UP**

Five (5) telephone lines available for dedicated exclusive use by the Company in the production office, the Company Manager's office.

PHONE NUMBER	LOCATION
(203) 773-4341	Production office, Company Mgr's office, Star Dressing room #2
(203) 773-4342	Production office, Company Mgr's office
(203) 773-4345	Production office, Company Mgr's office, Star Dressing room #1
(203) 773-4343	Production office, Company Mgr's office, Star Dressing room #4
(203) 562-4344	Production office, Company Mgr's office, Star Dressing room #4

**INTERNET**

Internet (independent service line) is available for exclusive use by the Company in the production office, the Company Manager's office. Wireless service is not provided.

Contact Lew Michaels, Director of Operations, [lmichaels@capa.com](mailto:lmichaels@capa.com) or 203-624-1825 for phone/fax/internet hookup capabilities and fee schedule.

## SOUND SYSTEM

### **MIXING CONSOLE**

- 1 Yamaha CL 5
- 1 Yamaha CL 1
- 48 RIO inputs from SR
- 24 RIO returns to SR

### **CONTROL AND PROCESSING**

- 1 TOA DA Csys II MX-808 Routing and Level Control Digital Matrix 8X8
- 3 TOA DA Csys II DP-0204 Digital Processor EQ/Delay/ Protection
- 1 Radio Design Labs RS 485 Converter
- 1 Hewlett Packard Pentium Personal Computer 8 Meg Ram/ Hard Drive

### **PLAYBACK**

- 1 Denon –DN-C80 CD Player
- 1 Tascam- CD- RW901SL Rewritable Recorder

### **MICROPHONES**

- 7- SM57
- 7- SM58
- 1- AKG D112
- 3 - Sennhieser 421
- 3 - AKG 451
- 4 - Crown PCC 160s
- 6- Shure URD4 Wireless SM58 or 6 Wireless LAV's

### **DI's**

- 4- Countryman
- 2- Radial J48

## VIDEO

FOH Projection built in system. Sony VPLFH500L WUXGA, 7000 Lumen projector. Video Control located SR. Capability to accommodate Composite, VGA, HDMI and DVD playback. Switcher and Monitor built into control surface.

## SPEAKER SYSTEMS

### **MAIN CLUSTER SYSTEM**

- 2 Meyer CQ1
- 2 Meyer CQ2
- XTA- DP 200 Processing
- High output integrated speaker cluster hung in a horizontal position.

### **PROSCENIUM SYSTEM**

- 2 Meyer CQ-1 Self-Powered Speaker 80 x 40
- XTA-DP 200 Processing
- Located left and right in the coves.

### **UNDER BALCONY SYSTEM OCHESTRA/MEZZANINE**

- 12 EAW JF-50 Speakers - low Profile w/ Terminal
- 2 Crown MA 1200 Power Amplifier
- Compact, high-output, low-profile speakers.

## **SIDE BOXES**

6	EAW JF - 50	Speakers - low profile
1	Crown MA 1200	Power Amplifier

## **FRONT FILL APRON SYSTEM**

6	EAW JF -50	Speakers - low profile
1	Crown MA 1200	Power Amplifier

## **MISC**

4	EV XARRAY 15" monitor
4	Crown microtech Amplifier

## **ELECTRICS**

**POWER** Company switch or road services is located stage right  
Lugs available in Company Switch  
Power configuration: 3 phase 4wire 120/208 volt AC  
Company switch can facilitate up to 4-400 amp 3 phase services  
Power available in front-light booth:  
120/208 V, 3 phase, 4 wire, 100 amp distribution panel

**HOUSELIGHTS** dimmer control (from backstage)  
House lights and on-stage work lights work from stage right

**LIGHTING CONTROL** ETC Obsession II

**DIMMERS** 282 Strand CD-80 dimmers (2.4KW per dimmer)

**CIRCUITS** #1 Balcony rail has six (6) circuits connector type 3-pin  
#2 Balcony rail has thirty (30) circuits connector type 3-pin  
Each of the four (4) Box Boom positions has eight (8) circuits 3-pin

## **BASIC HOUSE LIGHTING INSTRUMENT INVENTORY**

### **FRONT OF HOUSE**

48	ETC Soure 4 19 <sup>0</sup> 750 watt HPL in <i>front of house</i>
3	Zenon Super Troopers 2K

### **STAGE**

60	ETC Parnel 750 watt HPL
35	ETC SOURCE 4 36 <sup>0</sup> 750 watt HPL
55	ETC SOURCE 4 26 <sup>0</sup> 750 watt HPL
20	8" Fresnel Q1kw
30	Par 64 1kw
3	50ft Zetek border
8	Altman Sky Cyc 1kw
8	Altman Ground Cyc 1kw

Assorted 3Pin Jumpers, Twofers, etc

## **LINE SET SCHEDULE**

House curtain is	0' 0"
Set # 1	0' 10"
2	1' 07"
3	2' 04"
4	3' 01"
5	3' 10"
6	4' 06"
7	5' 02"
8	5' 10"
9	6' 06"
10	7' 02"
11	7' 10"
12	8' 06"
13	9' 02"
14	9' 11"
15	10' 08"
16	11' 05"
17	12' 02"
18	13' 03"
19	14' 00"
20	14' 09"
21	15' 06"
22	16' 02"
23	16' 10"
24	17' 06"
25	18' 01"
26	18' 10"
27	19' 06"
28	20' 02"
29	20' 10"
30	21' 06"
31	22' 02"
32	22' 11"
33	23' 08"
34	24' 05"
35	25' 02"
36	26' 05"
37	27' 02"
38	27' 11"
39	28' 08"
40	29' 05"
41	30' 02"
42	30' 11"
43	31' 07"
44	32' 06"
45	33' 02"
46	33' 11"
47	34' 08"
48	35' 05"

### **NOTES:**

- Sets 37-48 are Double Purchase
- All sets are 5-Line Counterweight
- Cables & Sheaves are overhung on grid
- Full Pin Rail and ability to spot hemp sets available
- Pin Rail available also on the stage right fly floor primarily for pick up lines and tab lines