



# Technical Specifications

## Yerba Buena Center for the Arts Theater

Theater located at:

700 Howard Street, San Francisco CA 94103

Theater Loading Dock located at:

170 Third Street, San Francisco CA 94103

415 – 321-1326 Direct Line

415 – 978-9635 Events Fax

Revised March 2010

*Theater*

The 755-seat YBCA Theater is a two tier house with dual-level lobbies, a spacious stage with excellent sight lines and an extensive technical inventory. It is available for a variety of events - from theatrical presentations, concerts and lectures to receptions and trade shows.

### **FEATURES**

- Proscenium stage 43' deep x 93' wide with a 44' wide x 33' high proscenium opening.
- Sprung oak stage floor and portable sprung dance floor.
- Adjustable motorized orchestra pit.
- Full theatrical lighting and sound equipment.
- Full stage black masking and a variety of backdrop choices.
- Back stage amenities include multiple dressing rooms with restrooms and showers, green room, wardrobe room and a rehearsal studio.
- Public amenities include spacious lobbies, wet bar, concession stand, box office with two ticket sales windows, coat check, restrooms, passenger elevator and full wheelchair access.
- Maximum Capacity 755, including 20 wheel chair locations and 43 removable seats in the orchestra pit. Lobby reception capacity up to 300 (in conjunction with theater rental only).

### **HOUSE CAPACITY**

Orchestra	506 (includes 20 wheelchair locations)
Balcony	206
Apron Lift (Optional)	<u>43</u>
TOTAL	755 seats

### **STAGE INFORMATION**

#### **Loading Dock**

**Located at 170 Third St. between Mission and Howard St.**

Entrance to dock is 11'4" W x 15' H. Portable dock plate available, no leveling plates.

Dock height at stage for loading is 4'0" H. Sliding Door 10' high x 10'

Loading doors to stage are 10' high x 10' wide.

Distance of loading dock doors to exterior dock gate at sidewalk: 35' 6"

Distance of loading dock doors to street: 62' 6"

Total enclosed dock area: 35' 6" long x 26' wide

Loading dock use for loading only. Vehicles must be moved after loading is complete.

#### **Grand Drape**

The Grand Drape is a deep teal color, Guillotine only.

#### **Fire Curtain**

The fire curtain is made of non-asbestos fabric, counterweighted and motor operated with fuseable link and break glass emergency operation. The stage deck directly beneath the path of the fire curtain must be clear of all obstructions at all times.

#### **Stage Dimensions**

Proscenium -	Width: 44' 0"	Height: 33' 0"
Wing Space -	Stage Right: 26' 10"	Stage Left: 22' 7" (to rail)
From Act Curtain -		
	To upstage wall : 44' 4"	To Last Line Set: 42' 6"
	To US Edge of Pit: 6' 2"	To Apron (Orchestra Pit) Edge: 18' 8"
Stage height from auditorium floor:	3' 0" Height	
Stage floor to Grid :	71' 0" Height	
Stage Floor to Fly Gallery:	43' 0" Height	

There is access from backstage to the Front of House from either SL or SR. The crossover is located either upstage of cyclorama or upstage through the cube area.

**Orchestra Pit**

12' 6" at widest point and 46' 0" across.

Pit can accommodate approximately 30 musicians and can be raised to stage level.

Variable depth from stage level to 8' below stage level.

**Upstage CUBE**

Width: 38' 2"      Depth: 38' 10"      Height: 31' 0"

**Stage Floor**

Black Oak Tongue & Groove on top of five layers of plywood on sleepers and neoprene pads on 4' centers. No rake, no traps. The floor is painted black matte. It is not waxed or polished. Nails or screwing into the floor allowed only under the supervision of the Head Technician.

**Dance Floors**

Portable L'Air pneumatic suspension floor 2352 sq.ft. installation estimate available upon request and evaluation of need.

2 Rosco Portable Vinyl Floor. Covers 65'0" Long x 42' 0" deep area

Black / white floor - black side used as rosin floor

Black / gray floor - rosin free

**Dressing Rooms**

All dressing rooms are stage right at stage level and are fully equipped with counters, chairs, mirrors, showers, hot and cold water, bathrooms, single wardrobe racks, and paging system.

2 Large 16 positions each # 1 + # 2

2 Mid-Size 4 positions each # 3 + # 4 (# 3 is without a bathroom, often used as production office, and has a phone for local calls)

2 Small 3 positions each # 5 + 6

**46 Positions Total**

**Wardrobe Room - At Stage Level**

Equipped with 2 washers, 2 dryers, fabric steamer, iron, ironing board and table.

**Green Room - At Stage Level**

A small room available for whatever may benefit your needs: i.e., media gathering, performers, musicians etc. The room has tables, chairs, couches, vending machines and a small kitchen unit. Wireless Internet access is available, see Head Technician for Password.

**Rehearsal Room - Below Stage level**

Approximately 42'x32' equipped with mirrors, Kawai Upright w/ bench and wall mounted ballet barre.

**Linesets - Stage Rigging**

**The Theater has a flexible House Soft Goods hang suitable for all types of performing events. It is the responsibility of the client to restore back to the Standard house hang. This will be done at the client's sole expense during the client's rental period unless other arrangements have been made prior to the first day of the client's load-in.**

Total Linesets: 50 Single Purchase Counterweight linesets with approx. 1800lb. maximum capacity each.

• **House has 120,000 LBS of weight. There is enough to counterbalance each line set.**

Number of usable (free) linesets: Approximately 35 depending on house rep hang

Minimum distance between linesets: 8" Except Lines #45-50: 6"

Battens: length 65' 0" 1-1/2" diameter

Grid height: 71' 0" height

Location of Fly Gallery Rail: Stage Left 43'0" height from stage

Location of Locking Rail: Stage Left 3'0" height from stage

Location of Loading Gallery: Stage Left 65'0" height from stage

Tracked lighting ladder batten (1 Each SL & SR) @ 68' from Centerline.

Each batten equipped with five (5) 8' 2" high ladders adjustable along batten and part of the Rep Lighting Plan.

### Softgoods

<u>Description</u>	<u>QTY</u>	<u>Dimensions</u>
Black Legs	10	15' W x 34' H No fullness - Bolero 5600
Black borders	3	65' W x 12' H No fullness - Bolero 5600
Black borders	3	65' W x 8' H No fullness - Bolero 5600
Black Tabs	6	12' W x 31' H No fullness - Bolero 5600
Black Travelers	2 ( 2 panels per )	52' W x 34' H 50% fullness - Bolero 5600
Backstage Masking	1 ( 2 panels per )	22' W x 30'7" H No fullness - Bolero 5600
Cyclorama (Leno)	1 White / 1 Blue	65' W x 34' H
Sharkstooth Scrim	1 Black	60' W x 31' H
	1 White	60' W x 31' H
1 Rear Projection Screen		50' W X 34' H
Gray/Gerriets International		
1 Rear Projection Screen		50' W X 34' H
White /Gerriets International		
7 Electric Heatstop Borders - Black		10'W X 3' H

### **ELECTRICS**

The Theater has a flexible House Lighting Plot suitable for all types of performing events. It is the responsibility of the client to restore back to the Standard house plot and focus. This will be done at the client's sole expense during the client's rental period unless other arrangements have been made prior to the first day of the client's load-in.

### **THEATRICAL LIGHTING CONTROLS**

#### Dimmers

##### **ETC/LMI "L-86"**

- Digital Control
- Input - 120 Volts, 60 Hz
- 95% Efficiency at any load to maximum capacity
- Full Load Loss of 55 Watts maximum per 2.4 kW
- Voltage Drop - 3.5 Volts maximum
- 484 2.4 kW Dimmer Modules
- 10 Single 6.0 KW Dimmer

#### Control Console

##### **1 Strand Lighting 530I**

Theatrical Lighting Control Console configured for 600 channels and 400 attributes; Intel Pentium II CPU with 64 MB RAM; 30 submasters ; 2048 DMX outputs and 2 VGA color monitors outputs. Portable DMX node can supply control to backstage for automated lighting fixtures and color scrollers.

##### **1 Strand Lighting 300**

Theatrical Lighting Control Console configured for 600 channels and 400 attributes; 48 sub-masters; 2048 DMX outputs and 2 LCD displays.

##### **1 iPaq wireless handheld remote.**

**Theatrical Lighting Fixtures**

All instruments have color frames. All Ellipsoidals have template slots. All fresnels have 4-way barn doors. All instruments have safety cables and 20 amp Union Stage Pin Connector.

**Lighting Instruments**

**Ellipsoidal Reflector Spotlight - Colortran** One (1) Plano-Convex heat-resistant lens. FEL, 1,000 Watt, 300 hour, 3200° K, tungsten halogen lamp

**Ellipsoidal Reflector Spotlight –ETC Source 4-** (1 or 2) Plano-Convex heat-resistant lens. HPL, 575 Watt, 300 hour, 3250° K, tungsten halogen lamp

**12" Fresnel Spotlight - Strand** One (1) 10" Fresnel lens, variable beam spread of 20° DPY, 5,000 watt, 500 hour, 3200°K, tungsten halogen lamp

**8" Fresnels Spotlight – Colortran** 2000 watt

**PAR 64 Holder** 1,000 watt quartz, 4,000 hour WFL, MFL and NSP PAR 64 lamp Rotating porcelain socket and Safety lamp wire guard.

**Source 4 Par –ETC** HPL 750 Watt, 300 hour, 3200°K, tungsten halogen lamp. Each comes with selection of lenses WFL, MFL, NSP, VNSP.

**3 - Cell Cyclorama Striplight - Altman Sky CYC** (3) FFT, 1,000 watt, 300 hour, 3200°K, tungsten halogen lamps. Each socket and lamp separately partitioned. One pigtail for each cell. Side arms with C-clamps.

**6-Cell Cyclorama Ground Row Striplight - Altman Ground CYC6** FDN, 500 watt, 300 hour, 3200°K, tungsten halogen lamps. Three alternating circuits with pigtails at each end of the fixture. Side arms with C-clamps. Castered trunions

**Followspots** Phoebus Ultra Arc - Long Throw

Item Name	Inventory	House Plot	Remaining
Colortran 05°	10	10	0
Colortran 15°	14	12	2
Colortran 20°	6	4	2
Colortran 30°	4	2	2
ETC Source 4 10°	6	6	0
ETC Source 4 19°	52	51	1
ETC Source 4 26°	120	108	12
ETC Source 4 36°	92	83	9
ETC Source Zoom 15-30°	20	20	0
Par 64 Various lenses	50	18	32
Source 4 Par Various lenses	38	18	20
8" Fresnel 2K	36	32	4
12" Fresnel 5K	6	0	6
GroundCyc-2 cell	16	8	8
SKY-CYC-01	8	8	0
Iris-Drop Source 4	25	10	15
10" Barn D-4	40	0	40
<b>Spare Source 4 Lens Barrels</b>			
19° = 5	26° = 6	36° = 2	50° = 2

**AUDIO**Audio Control Equipment**Yamaha DM 2000 v2 (Console remains in booth orchestra level)**

1

Digital Audio Control Console with: 24 mic preamp inputs, 8 line inputs,  
 Presonus Digimax for 8 extra mic preamps  
 12 auxiliary sends  
 8 Matrix

Recording/Playback Equipment**Tascam 122MKII**

1 Stereo Cassette recorder

**Denon DN 4500**

Dual CD/MP3 player

**Sony CD-R W 33**

1 CD-R player/recorder (recordings made per price list)

**Sony CDP-209ES**

1 Compact Disc Player

**Sony DTC - A7**

1 Studio DAT Player / Recorder

**Sony MZR2Z**

1 Mini disc Player / Recorder

**Tascam 112 R**

1 Stereo Cassette recorder

**ART Pro VLA**

1 Tube compressor

**Offsite reel to reel format transfers available per prior arrangement.**Signal Processing Equipment**Aphex 301 Compellor**

1 Compressor/limiter/aural exciter

**Yamaha REV-5**

1 Digital Reverb, programmable, MIDI controllable

**Yamaha SPX900**

1 Digital Effects Processor, programmable, MIDI controllable

**Klark-Teknik KN360**

1 Audio equalizer 1/3 octave, dual channel

**Klark-Teknik KN300B**

3 Audio equalizers, 1/3 octave, single channel

**Aphex 104**

1 Aural Exciter Type C 2 with Big Bottom, Two Channel

**dbx 166**

2 Two (2)-Channel Compressor/Limiter

Control Booth Monitor Loudspeaker System**Behringer Ultracurve**

1 Dual 1/3 Octave Band Equalizer/compressor/delay

**Yamaha MSP5**

2 Two (2) – Way Powered Monitor Loudspeakers

**AN- 1000X**

1 Anchor Speaker

Central Loudspeaker Cluster Electronics / Components**Sabine 3101**

1 1/3 Octave Band Equalizer/compressor/delay

**Meyer MVC5 (5 M1D speakers in single enclosure)**

- 1 Powered center speaker

Lower Stereo Loudspeaker Electronics / Components

**Sabine 3102**

- 1 Dual 1/3 Octave Band Equalizer/compressor/delay

**Meyer MVC5**

- 2 Powered speakers

Monitor Loudspeaker System

**Yamaha LS9-32** digital mixer with 16 outputs and additional 8 line inputs

**EAW 260**

- 6 Portable, Stage Monitor or EFX Loudspeakers, 2-Way system with 12" Low Frequency Driver

**Klipsch KSM-1** with 1/4 phone & Neutrix Speakon Receptacles

- 4 Portable, Stage Monitor or EFX Loudspeakers, 2-Way system with 15" Low Frequency Driver

**4 QSC MX-1500**

Dual 750 Watt @ 2 Ohm Power Amplifier

**6 TOA SM 60 speakers**

Upper Stereo Loudspeakers

**Sabine 3102**

- 1 Dual 1/3 Octave Band Equalizer/compressor/delay

**Meyer M1**

- 2 Loudspeaker Processor

**Meyer B2-A**

- 2 Subwoofer Processor

**QSC 3800**

- 3 Dual 375 Watt Power Amplifier

**Meyer UPA-1A 13**

- 2 Full Range, Processed Two (2) -Way Loudspeakers

**Meyer USW-1**

- 2 Subwoofer Loudspeakers

Balcony Stereo Loudspeakers

**2 Meyer M1**

Loudspeaker Processor

**2 QSC 3800**

Dual 375 Watt Power Amplifier

**2 Meyer UPA-1A 13**

Full Range, Processed Two (2) -Way Loudspeakers

Under balcony /front fill/Delay systems

**2 EAW JF 50 S**

**2 EAW JF 50 S**

- 2 TOA D-1103** with Input/Output Transformers  
Microsecond digital audio delay

Production Communications System**Clear-Com SB-412A**

- 1 Four (4)-Channel Intercom Main Station/Power/Supply with:
- External Program - Input
  - Switch Matrix

**Clear-Com RS-502-TW**

- 4 Two (2) Channel Intercom Belt pack

**Clear-Com CC-85B**

- 2 Communication Headset

**Clear-Com RS-501**

- 8 Single Channel Intercom Belt pack

**Clear-Com CC-75B**

- 8 Communication Headset

**Clear-Com KB-111A**

- 2 Two (2)-Channel Intercom Wall Station

**Clear-Com WBS-4**

- 1 Wireless intercom base station

**HME BH 800**

- 4 Wireless Intercom Belt packs

Assistive Listening System**Telex ATT-2 Base Station**

- 1 Assistive Listening System Base Station with Fixed Frequency

**Telex AAR-10 with Double Ear bud Headset Telex TC-100 Receiver**

- 12 Assistive Listening System, Personal Receiver Units

Broadcast Video/Audio System**Yamaha 01V**

- 1 Digital mixer

**ElectroVoice**

- 1 EV 635A hung mic for hearing impaired system

**Clear-Com MS200B**

- 1 Two (2)-Channel Intercom Main Station/Power Supply with External Program - Input

**JVC TM-90U**

- 2 Television Monitor/Receiver, 9" CRT Color

**Datatek D-507**

- 2 Audio Distribution Amplifiers

**DataTek D-603 W/DF-603**

- 3 Video Distribution Amplifier, 1 x 6 with Rack Frame

**Fiber Options**

- 3 Transmitters 2 audio, 1 video

- 2 Receivers 2 audio, 1 video

Microphone Inventory

<u>QTY</u>	<u>Type/Description</u>	<u>Manufacturer</u>	<u>Model</u>
3	Direct Box	Countryman	85
4	Instrumental Mic	Sennheiser	MD421
2	Super Cardioid	Sennheiser	MD441
2	Cardioid	Sennheiser	MD409
2	Area Mic	Crown	PCC 160
2	Lavalier	Shure	SM84
1	Instrument Mic	EV	RE20
2	Isolation Splitter	Whirlwind	IMP 1x2
1	Stereo Mic	Shure	VP88
2	Condenser	Shure	SM 81
1	Cardioid with switch	Shure	SM 48
4	Cardioid	Shure	SM57
4	Cardioid	Shure	SM 58
2	Cardioid Condenser	Shure	SM87
2	Lectern Mic	Shure	SM99
1	Shotgun	Shure	SM89
6	UHF Wireless combo Handheld and Lavalier	Shure	U124D
1	UHF Wireless handheld	Vega	R662-A
4	Condenser	AKG	460
2	Condenser	AudioTechnica	AT 4041
1	Condenser	Audio Technica	AT 4050
2	Large cap condenser	Studio Projects	C1
2	Large cap condenser	Studio Projects	B1
2	Large cap condenser	Studio Projects	B3
2	Small cap condenser	Studio Projects	C4

Stands

8	Straight with large base
12	Tripod
3	Small Tripods with 6" goosenecks
1	Stereo XY mounts
3	Clamp mounts
4	desk stands
6	short stand with small base

**AUDIO VISUAL EQUIPMENT - Portable Equipment**  
(Subjected to availability - rental charges may apply)**Video Data Projection**

- 1 Panasonic PT- D5500UL with 1:1.8-2.4; 1:0.8 and 1:2.5-4 Lenses
- 1 Cannon 7345, 2100 ANSI lumens
- 1 NEC ISS - 6010 Video / RGB Switcher

**Video & Hi 8 Players / Recorders**

- 1 Sony Betacam SP, UVW-1800 (playback and record)
- 1 Sony Betacam SP, UVW-1200 (playback only)
- 1 Sony DVcam DSR-40 (plays both DV and Mini-DV formats)
- 1 1/2" Panasonic AG-WI Video Tape Player (PAL/SECAM/NTSC 4.43)
- 1 1/2" JVC -BR-S605U Video Tape Player (NTSC)
- 1 3/4" Sony VO - 7630 Video Tape Player /Recorder (PAL/SECAM/NTSC)
- 1 Sony EVO - 9800 Hi 8 Player /Recorder

**Audio Visual**

- 2 16mm Elmo CX-55000SM Film Projector with 2000' reels, F1.5. 50mm lens
- 2 Extagraphic III 35 mm Slide Projectors
- 2 Navitar 35 mm FX Slide Projectors
- 2 Navitar FX Xenon 560 AF Slide Projectors
- 2 AVL FX-2 Programmable Dissolve Units
- 1 9000 Series OHP
- 1 Laser Pointer
- 1 AMX Wireless SP dual control unit

**Screens**

- 2 9'x12' Fast Fold (front or rear) w/ dress kit
- 1 12'x18' Fast Fold (front or rear) w/ dress kit