UCLA Freud Playhouse
Technical Specifications

The Freud Playhouse Theater is a proscenium theater space.
Theater capacity ranges from 479 to 586.

I Access

A. General- Loading access is at "street level" behind the scene shop.

B. Stage- Loading access to the stage is through the scene shop via the 28'-10" wide x 19'-6" high loading door on the upstage wall. The distance from the scene shop loading door to the stage loading door is approximately 80 feet.

C. Dressing Rooms- Minimum access to the dressing rooms is via standard 34" x 83" doorways.

D. Parking- Automobile and truck parking is provided on a space-available basis given adequate advance notice. Automobile parking is usually provided in Parking Structure Three, located two buildings north of Macgowan Hall, for $7.00 per day.

E. Address-

Shipping to the theater:	**Mail**
UCLA Freud Playhouse	UCLA Performing Arts
1220 Macgowan Hall	B100 Royce Hall / Box 951529
Los Angeles, CA 90095	Los Angeles, CA 90095

II House

A. Seating Capacity- Theater seating capacity is 586 seats including 8 wheelchair spots.

B. Handicap Seating- There are provisions for 8 wheelchairs in Row “K”; four on house left and four on house right. The end seats in Rows D, F and H on both aisles are transfer seats for patrons who prefer to transfer out of their wheelchairs for a performance.

C. Stage Lifts- Two hydraulic stage lifts can be used as an orchestra pit or forestage. The downstage lift normally accommodates 54 seats and the upstage elevator normally accommodates 35 seats. Total house seating with out Upstage lift 551 seats, with out both lifts 497.

D. “House Kill” Area- Seats in the center of Row “L” and Row “M” are removable to create a center mix or control area in the back of the house.

E. Box office- Box office is located in the exterior courtyard on the west side of the theater.

III Stage

A. Floor- 1/4" tempered masonite over 5/4" tongue and groove flooring over 1" sleepers.

B. Traps- One row of traps 60' wide and 4' deep and four adjacent rows of traps, each 36' wide and 4' deep, exist in the stage floor starting 3'-6" upstage of the plaster line. An additional row of traps 40' wide and 4' deep are located starting 38' upstage of the plaster line. Sections are either 4' or 8' long and clearance through traps is 40-1/2" measured up to downstage. Both sets of traps provide access to the basement. Along the apron a row of trap covers 28' wide and 2' deep provide access to a footlight trough starting 4" upstage of the apron line.

C. Stage Elevators- Two hydraulic stage elevators can be used for additional audience seating, playing space, orchestra pit and for transport to the basement. The 2 elevators can be set to run separately or in tandem and up to 3 position presets can be set for the elevators based on production needs. (These changes will be performed for an extra charge with adequate advance notice.)

D. Drapery- Drapery is not permanently hung. Additional drapery may be available for an additional charge. Items marked with an asterisk (*) are available for an additional charge.

12 Black Velour Legs	21' w x 40' h
4 Black Velour Borders	63' w x 14' h
2 Black Velour Borders	81' w x 14' h
1 Black Scrim	150' w x 50' h *
1 White Muslin Cyc	140' w x 48' h
1 White Scrim	140' w x 48' h *
1 White Rosco Screen	50' w x 30' h *

E. Critical Dimensions-

Proscenium height - 21'-9 ½"
Proscenium width - Variable from 42' to 58'
Useable stage depth from plaster line - 51'-5"
Center line to SL wall - minimum 56'-6", maximum 57'-8"
Center line to locking rail (SR) - 47'-0"
Apron edge to plaster line @ CL (elevators down) - 3'-9 ½"
Apron edge to plaster line @ CL (upstage elevator up) - 13'-7"
Apron edge to plaster line @ CL (both elevators up) - 21'-3 ½"
Clearance under SR and SL catwalks - Approximately 31'-6"
Audience floor to stage - approximately 2'-10"

F. Company Switch- A 400 amp, three-phase, five wire, 120/208V fused company switch is located downstage right in the theater. Connection is via bare leads. This switch can be fused to 225 amps and controls a 100 amp disconnect. Stringent power requirements should be discussed in advance.

G. Power Distribution Panel- A portable 100 amp, single-phase, 208V power distribution panel is connected to the company switch via a 100' long cable.

The panel has one 70 amp, one 50 amp and one 30 amp single phase, 208V receptacles with separate circuit breakers and one 60 amp stage pin plug, four 20 amp Edison and two 20 amp stage pin plug 120V receptacles with separate circuit breakers.

H. **Additional Power-** A 225 amp, three-phase, five wire electrical service is available. Connection is via Cam-Lok or bare leads. The length of the cable run from the downstage right corner of the stage to the feed point is approximately 75 feet. Cables are not supplied.

IV Rigging-

A. **Counterweight sets-** The theater is equipped with 34 standard linesets with 8' arbors with a capacity of 1000 pounds. The locking rail is located along the stage right wall at stage level. **Three dedicated linesets are the red velour Main Curtain on lineset 1, the First Electric on lineset 5 and the projection screen on lineset 12.** Linesets 1 and 5 have additional arbor capacity. The remaining linesets can be rigged with 55' long schedule 40 pipe battens or UCLA stock truss in 10' increments to 60' long. Pipe high trim is 61'-2" from bottom of pipe to the stage floor. Trim is 1'-8" lower if truss is hung in lieu of pipe. Pipe low trim is 5'-6". Trim is 1'-8" lower if truss is hung. Counterweight loading can be accomplished from the floor and at 2 loading decks on stage right; one is approximately 35 feet above the stage floor, the other at approximately 55 feet above the floor. Access to these positions is via spiral staircase.

B. **Spot Motor System-** The theater is equipped with a 50-motor, computer-controlled spot winch rigging system. Each motor has a capacity of 200 pounds and a maximum speed of just under 2 feet per second. The wire rope from each motor can be spotted and dropped at virtually any point above the stage house. Motors are then electronically interlocked and run in synchronism to move scenic, lighting or sound elements. The UCLA stock trusses used in combination with this system allow curved cycloramas and borders or other elements to be flown in areas not possible with the counterweight system. (Motor spotting and the requisite planning services will be performed for an extra charge with adequate advance notice.) The control console is located downstage left and has enough control cable for 45' of travel. It is also equipped with a hand-held remote for running motors from locations away from the control console.

C. **Grid-** The grid is decked with egg-crate steel material to facilitate winch spotting. Loft blocks are underhung from high steel approximately 8' above the grid floor. Access to the grid is via spiral staircase downstage left and a combination of spiral staircase and ships' ladder upstage right.

V Lighting

A. Control System- An ETC Obsession II Console 750 channels Version 4.4 Net 1, remote focus unit, dimmer remote unit, and remote video monitors are part of this system. A DMX network allows for distribution of 2 sets of DMX signals to the booth, beam area, stage left and right portals, and grid and will accept DMX inputs from the booth, beam area and stage left and right portals,

B. Dimming- An ETC Sensor dimmer-per-circuit dimmer rack, located in the basement below the upstage right corner of the stage feeds 270 load circuits. 252 dimmers are for 2.4 KW circuits and 18 dimmers are for 6.0 KW circuits.

C. Circuits- 270 circuits are located around the theater and are listed below. Circuits located at the grid can be dropped to any counterweight batten to make it into an electric.

Location	Qty	Amps	Circuit Numbers
3rd Beam	14	20	1, 2, 4-13, 15, 16
	2	50	3, 14
2nd Beam	24	20	17 - 40
1st Beam	36	20	41 - 76
*First Electric	30	20	77 - 106
Grid	82	20	108 - 119, 121 - 144, 146 - 163, 242 - 269
	6	50	107, 120, 145, 164, 241, 270
Projection Platform	4	50	165 - 168
	2	20	169, 170
Stage Catwalk Left	6	20	171 - 172, 174 - 177
	1	50	173
Stage Catwalk Right	6	20	178 - 179, 181 - 184
	1	50	180
Portal Left	6	20	185 - 190
Portal Right	6	20	191 - 196
Tormentor Left	7	20	197 - 203
Tormentor Right	7	20	204 - 210
Stage Left Wall	4	20	211, 212, 214, 215
	1	50	213
Stage Right Wall	4	20	216, 217, 219, 220
	1	50	218
Up Stage Wall - Left	5	20	221, 222, 224 - 226
	1	50	223
Up Stage Wall - Right	5	20	227, 229 - 232
	1	50	228
**Basement	8	20	233 - 240
***Houselights	6	20	271 - 276

***Beam worklights	2	20	277, 279

*Circuits 81 - 86, 91 - 96 and 101 - 106 are duplicated on the grid.
**Basement circuits are duplicated at multiple locations in the basement and on the stage elevators.
***See "House lighting" below.

D. **House lighting-** Permanent recessed houselights are controlled by an ETC Sensor SR-6 dimming rack which can be controlled via control stations around the theater or via control channels of the Obsession console. Dimmers 271 through 276 control the houselights.

E. **Instruments-** Inventory is as follows.

Qty	Description	Lamp	Watts
	Beam Positions-		
55	20° Colortran	FEL	1000
	Portal Position (total of both SL & SR)		
16	20° Colortran	FEL	1000
8	30° Colortran	FEL	1000
4	Par 64 VNSP	FFN	1000
	Stage Positions-		
27	20° Colortran	EHG/FEL	750/1000
77	30° Colortran	EHG/FEL	750/1000
53	40° Colortran	EHG/FEL	750/1000
43	8" Fresnel	BVT	1000
18	12" Fresnel	CYX	2000
43	Par 64 Cans	FFS WSP	1000
		FFR MSP	1000
		FFP NSP	1000
		FFN VNSP	1000
24	Strand Iris 2 Cyc lights	FFT	1000
36	Strand Pallas ground row	FCM	1000

F. **Control Room-** Lighting control system is located in one of the control booths located at the upper lobby behind the audience and overlooking the theater. Lighting control room is approximately 12'-6" wide and 9'-6" deep. Control room window area is 4' high and 12' wide and one 4' square window panel slides open. Opaque backed curtains are located on a track running the length of the control room windows. Track lights with dimmer control light the control area. A campus telephone is located in the room and can receive all incoming calls and can be used to make outgoing campus calls

only. The phone is equipped with a bell/light switch to mute the bell for performances. The phone number is 310-825-0084.

VI Audio and Communication Systems

A. The sound system in the Playhouse is based around the Yamaha PM1D Digital mixing system. The system has 96 mono input channels and 8 stereo input channels with 2 stereo outs, 48 mix busses and 24 matrixes. There is an onboard gate, compressor, delay and five band fully parametric EQ on every input channel. A compressor, delay and five band parametric EQ is also available on all output channels. 24 graphic EQ's can be inserted anywhere in the signal path and up to 8 internal effects units can be patched. The system can record 1,000 scenes.

B. Outboard Equipment

2 ea compact disc players with infrared remote control.
1 ea minidisc recorder with infrared remote control.
1 ea Panasonic Dat
1/3 octave graphic equalizers, cassette decks, keyboards, effects processors, reel-to-reel tape decks, digital delay lines can be provided on request and are subject to availability.

C. Loudspeakers and Microphones-

1. Loudspeakers- A front-of-house reinforcement system is comprised of two UPA 1A speakers per side with an additional pair available for a center cluster and two custom built McCauley 18" subwoofers per side. The mains are powered by Crest 8001 amplifiers and the subwoofers are powered by Mackie 1400i amplifiers. JBL theater surround speakers are permanently mounted in the space in four separate channels. Additional loudspeakers and amplifiers are listed on the Floating Sound Inventory List and are subject to availab and possible additional cost.

2. Microphones- Microphones are listed on the Floating Sound Inventory List and are subject to availability and possible additional cost.

D. Communications-

1. Broadcast- A broadcast communication system allows action in the theater to be heard in the control rooms, at the stage manager's console, in the dressing rooms, dressing room corridor, rest rooms and box office. The backstage areas can be paged by patching into this system.

2. Intercom- RTS 2-channel intercom system allows communication between production personnel. Permanent stations are located at the stage manager's console, tech table, scenery system console and lobby. Ample belt packs and headsets are available and can be connected at any audio outlet location in the theater or control rooms. All intercom equipment is listed on the Floating Sound

Inventory List and some is subject to availability.

Telephone- A campus telephone is located downstage right and can receive incoming calls and be used to make outgoing campus calls only. The phone is equipped with a bell/light switch to mute the bell for performances. The phone number is 310-206-6825.

E. **Assisted Listening System-** A Comtek audio assisted listening system is available for audience members in need of personal amplification of production audio. Up to twenty-one receivers and headsets are available.

G. **Simultaneous Translation-** The assisted listening system can be configured for simultaneous translation if needed. Please inquire in advance if simultaneous translation is needed.

H. **Control Room-** Audio control system is located in one of the control booths located at the upper lobby behind the audience and overlooking the theater. The audio control room is approximately 17' wide and 9'-6" deep. Control room window area is 4' high and 16' wide and one 4' square window panel slides open. Curtains are located on a track running the length of the control room windows. Track lights with dimmer control light the control area. A campus telephone is located in the room and can receive all incoming calls and can be used to make outgoing campus calls only. The phone is equipped with a bell/light switch to mute the bell for performances. The phone number is 310-825-0084.

VII Video Projection

A. **System-** The video projection system is available for an additional charge. Its use is dependent on program material. Please inquire in advance if you need to use this system.

B. **Video-** A video projection system is available which projects onto a 25'-4" wide x 14'-3" high (16:9 format) perforated screen hanging on lineset 12 on stage. Sources to the system are laser video disk, VHS (1/2") video tape, satellite dish and external composite video sources with mono or stereo audio connections.

C. **Audio-** Left, center and right speakers and a subwoofer speaker are located upstage of the screen. Twelve surround sound speakers are located on the side and rear walls in the theater house.

D. **Control-** Projector is located in the lighting booth. All other equipment is located in the adjacent booth towards house right.

VIII. Dressing Rooms

A. **Location-** Dressing rooms are shared with other theaters in the complex. They are located between the Freud and Little theater. Quantity and size of dressing rooms needed should be discussed in advance.

B. **Laundry & Ironing** Laundry and Ironing facilities are located both on and off site. On site subject to availability, discuss with stage management.

C. **Communication-** A broadcast communication system allows action in the theater to be heard in the dressing rooms.

D. **Telephone-** A public pay telephone is located in the dressing room corridor. The phone number is 310-824-9227.