

Zellerbach Auditorium

Technical Specifications

GENERAL INFORMATION

[Policies governing the use of Cal Performances facilities](#)

[Crew](#) [Directions](#) [Dock](#) [Capacity](#) [Dimensions](#) [Floor](#) [Soft Goods](#) [Sound](#)
[Lights](#) [Video](#) [Projection](#) [Linesets](#) [Orchestra](#) [Properties](#) [Dressing Rooms](#) [Rehearsal Space](#) [Piano](#)

MAILING ADDRESS

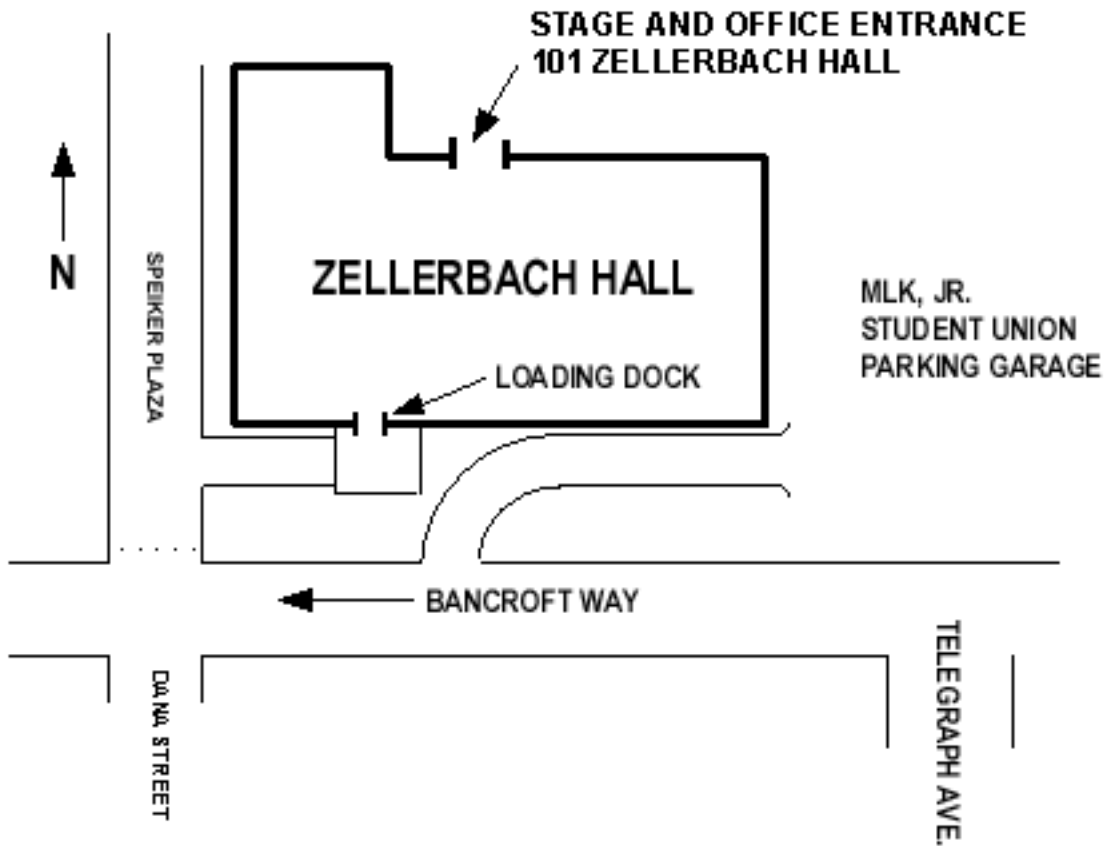
Cal Performances
101 Zellerbach Hall #4800
University of California, Berkeley
Berkeley, CA 94720-4800

[Staff Contact Information](#)

CREW INFORMATION

Cal Performances manages Zellerbach Auditorium, Zellerbach Playhouse, the William Randolph Hearst Greek Theatre, and Wheeler Auditorium. Cal Performances is governed by a union contract between the University of California, Berkeley, and the University Professional and Technical Employees ([UPTe](#)), Local 1, which is affiliated with the Communication Workers of America (CWA). All stagehand employees are professional, non-student positions. Please call in advance regarding [IATSE](#) labor or "yellow card" shows.

DIRECTIONS



[top](#)

LOADING DOCK

U.S. Interstate 80 to Ashby Avenue exit. East two miles to Telegraph Avenue, North (left) on Telegraph one mile to Bancroft Way, West (left) one block to Dana Court, North (right) 50 feet to first driveway on right (Speiker Plaza.) **Speiker Plaza is designated "pedestrians only," vehicle access is barred by [bollards](#). Prior arrangements must be made to have the bollards dropped in order to access the Loading Dock. If you get stuck in a truck outside the bollards, call the stage door guard at 642-0212 to try to get someone to lower them for you. No parking in Loading Dock; all arrangements for parking permits must be made in advance.**

Stage Entrance:

North side of building, opposite Alumni House.

[top](#)

HOUSE CAPACITY

Orchestra	1,059
Mezzanine	564
Balcony	391
Total	2014
Pit Seating (movable)	75
Grand Total	2089

[top](#)

LOADING DOCK

Stage right, 15' (4.58m) from stage, trailer height. Can accommodate only 1 truck at a time. Doors 12x16' (3.66m x 4.88m). Access by advance notice only.

STAGE DIMENSIONS

Proscenium	63'x30'	(19.20m x 9.14m)
Typical Trim	40-44' x 22-24'	(12.2m-13.5m x 6.71m-7.32m)
Offstage Right	30'	(9.5m)
Offstage Left	12'	(3.66m)
Curtain to rear wall	44'	(13.4m)
Curtain to last line set	42'5"	(12.95m)
Curtain to edge of apron	6'	(1.85m)
Curtain to edge of pit	18'6"	(5.65m)
Orchestra Pit	12'6" (deepest point)	(3.84m)
Height of stage from auditorium	3'6"	(1.07m)
Distance to grid	80' (max. out trim 73')	(24.4m)

Note:

Pit can accommodate up to 50 musicians.
Wagnerian pit is also available, expanding pit

area to 19' (5.8m); and diminishing house capacity in orchestra by 53 seats. Rows EE & FF must be removed.

[top](#)

FLOOR

- Stage Floor
 - Flat black particle board floor over sprung fir. Not raked.
- Sprung Floor
 - L'Aire- approximate size 58' x 36' including side ramps. Advance notice, set-up time and labor required. Pianos, heavy scenery or other possibly damaging loads not allowed.
- Dance Floor
 - 1- Black/White Gerriets Rosin dance floor.
 - 1- Black/White Rosco No Rosin

[top](#)

SOFT GOODS

Grand Drape (Blue)	Stage Left pull	2 person pull.
Legs, 5 pair (Black)	26' x 40'	(7.92m x 12.2m)
Borders, 5 (Black)	72' x 12'	(21.95m x 3.66m)
Black Scrim	30' x 60'	(9.14m x 18.3m)
White Scrim	30' x 60'	(9.14m x 18.3m)
White Muslin Bounce	30' x 60'	(9.14m x 18.3m)
Cyclorama (Gerriets Opera White-plastic)	40' x 70'	(12.19m x 21.34m)

[top](#)

SOUND EQUIPMENT

Power.

- 200 Amp, 3 Phase, transformer isolated service, female cam-lock tie-in stage right.

Console.

- DDA QII LCR 32 channel mixer, w/meter bridge, LCR outs and matrixes.
 - Inputs are jumpered for foldback and aux sends to be post cut, fb are pre-eq, aux are post-eq.

Speakers.

- Front of House



- Yes folks, they are here, our Meyer M2D arrays are up and working. 1 M2D-SUB with 8 M2D underneath, each side. In addition to them we have a central cluster of 3 x MSL-4 with 3 x DF-2 underhung. Tiers are filled with 2 x UPM-1P and front fill is 4 x M1D across the DS lip when appropriate. New chain motor rigging for all of the hung PA. Meyer [Remote Monitoring System](#).
 - MAPP file of the [1khz sound field](#), though the Subs are not accurate. [MAPP](#) it yourself with this [csv file](#).
 - Check back later for more as this system develops.
 - Thanks to everyone at Meyer Sound who have helped make this system happen.
- 2 Meyer 650-R2 Subwoofers
 - The following units are no longer hung; 4 Meyer MSL-3
- Onstage
 - 6 Meyer UM-1P
 - Also available; 4 JBL 4604B

Amplifiers/Processors.

- FOH Meyer System-
- Processing and tuning for the M2D Arrays is expected mid-October, however, they sound notably better than the MSL-3's out of the box.
 - For the MSL-3, 2 Meyer M-3 Processors
 - 2 Crest 4001 Amplifiers- Low Frequency
 - 1 Crest 7001 Amplifier- Sub Woofers
 - 2 Crest 4801 Amplifiers- High Frequency
- 1 Klark-Technic DN-360 1/3 Octave stereo equalizer.
- 2 Ashley GQX-3102 1/3 Octave stereo equalizers
- Behringer GEQ3102 1/3 Octave stereo equalizer
- 3 DBX 166XL 2 Channel Compressor/Limiters
- 3 Yamaha SPX990 effects processors
- 1 Crest 3501 Amplifier- Monitors

- 1 QSC RMW1450 Amplifier

Tape Decks.

- 2 Otari MX-5050BII 1/4 in, 1/2 track stereo (3 3/4, 7 1/2, 15 ips)
- 1 Denon DN-790R Cassette Recorder
- 1 Denon DN-C680 CD player.

Microphones.

- 3 Shure SM57
- 10 Shure SM58
- 3 Shure SM89
- 3 Shure SM81
- 2 Shure SM99-16 lecturn mics.
- 3 AKG C3000
- 3 Crown PCC 160
- 4 Shure UHF wireless, choice of 4 handheld Beta 87's OR four body packs with lavalier capsules. Requires advance notice.
- 2 Countryman Direct Boxes

Microphone Stands.

Approximate Inventory.

- 7 Ultimate 9" round base stands with booms
- 2 Atlas MS-25E triangle base full stands
- 4 Atlas MS-4E round base 1/2 stands
- 4 Atlas full stands
- 3 Atlas 1/2 stands
- 4 Atlas triangle bases
- 4 round bases
- 8 booms of various manufacture
- 7 desk stands

Intercom.

- RTS Systems 2 channel intercom. Stations located throughout Auditorium. Interfaces with two, Telex single channel, four beltpack wireless.

System	Base station	#1 beltpack	#2 Beltpack	#3 Beltpack	#4 Beltpack
Zellerbach BTR-200-II	183.730	207.800	207.425	206.800	203.000

Zellerbach BTR-300	180.600	209.950	209.475	208.950	208.150
Playhouse (next door)	154.570	171.905	171.045	170.245	169.505

- Interface to Clear-Com system available.
- Stage Manager's Console can be located Stage Left or Stage Right. Paging and program system to all dressing rooms.

Touring Mix Position.

- House mix position located rear of auditorium, orchestra level, rows W-Z, seats 1-15 (32 seats total).

Assisted Listening System.

- Sennheiser single channel infrared listening system.

Important Notes:

Some sound equipment inventory is shared with the Department of Theater, Dance and Performance Studies and used in other facilities, please check in advance to see what is available.

[top](#)

LIGHTING AND ELECTRICS EQUIPMENT

Lighting Console.

- ETC Obsession II Lighting Control Computer, software version 4.2, 3 DMX ports, 750 channel limit.
- ETC Remote Focus Unit
- ETC Remote Video Interface
- AVAB Cuepatch
 - 60 Two-scene channel faders. 21 Two-scene memory submasters, pagable up to 9 times for a total of 189 cues. Dimmer/channel soft patch, chase module, bump buttons.
- AVAB 24 channel interface to analog 0-10 VDC available.

Dimmers.

- Ward Leonard SCR dimmers with AVAB DDII digital trigger cards.
- 28 @ 6K (#1-30)
- 27 @ 12K (#31-60)

- 2 ETC 48 x 2.4 KW Portable Dimmer Rack
- 6 non-dims @ 6K

Company Switch/Patch Panel.

- 1000A 3 phase switch located 50' (15.24m) off Stage Right.
- Patch Panel located Stage Right

Circuits/Lighting Positions (All circuits old style twist.).

1st Beam	40	20A	60' (18.3m) to plasterline, 51' (15.6m) above stage
2nd Beam	28	20A	60' (22.9m) to plasterline, 54' (16.5m) above stage
Balcony Rail	8	20A	89' (27.13m) to plasterline
Mezzanine Rail	17	20A	69' (21.03m) to plasterline
1st Electric	46	20A	3-9' (1.14m) to plasterline
" "	5	30A	
2nd Electric	24	20A	14'6" (27.13m) to plasterline
3rd Electric	24	20A	23'5" (7.14m) to plasterline
4th Electric	24	20A	33'9" (10.3m) to plasterline
DSR AP Wall	6	20A	(5 used for AP Reh. lights.)
DSL AP Wall	6	20A	(5 used for AP Reh. lights.)
Pit Floor	3	20A	
SR Gallery	22	20A	
SL Gallery	22	20A	
DSR Floor (4)	4	20A	(each pocket, total 16)
USR Floor (3)	4	20A	(each pocket, total 12)
DSL Floor (4)	4	20A	(each pocket, total 16)
USL Floor (3)	4	20A	(each pocket, total 12)
SR Proscenium	6	20A	

SL Proscenium	6	20A	
OFF L	2	50A	(old style twist)
OFF R	2	50A	(old style twist)repeats SL

[top](#)

LIGHTING INVENTORY

Followspots.

- 2 Lycian Model 1278, 2500W Metal Halide SuperStars, use regular super-trooper color frames.

Lighting Instruments

Lekos

2	5 deg.	1K	Prehung 1st Beam FOH
4	6x22	1K	Prehung 1st Beam FOH
6	S4- 10*	575W	Prehung 1st Beam FOH
20	8x9	1K	Prehung 1st Beam FOH
4	6x22	1K	Prehung 2nd Beam FOH
22	S4- 10*	575W	Prehung 2nd Beam FOH
12	S4- 10*	575W	Prehung 2nd Slot FOH
12	6x22	1K	Prehung 1st Slot FOH
12	6x16	1K	Prehung 1st Slot FOH
8	6x22	1K	Axial Mount Century
26	6x16	1K	Axial Mount Century
75		1K	Axial Mount Century bodies
120		750W	Off-Axial Mount Century bodies
100	6x9		Lenses
77	6x12		Lenses

Source Four.

16	19 deg.	575W	
20	26 deg.	575W	
44	36 deg.	575W	
6	10 deg.	575W	Prehung 1st beam FOH
12	10 deg.	575W	Prehung 2nd slot FOH
22	10 deg.	575W	Prehung 2nd beam FOH

Fresnels.

6	10"	2K	Strand (.25m)
10	10"	2K	Colortran (.25m)
10	8"	1K	New Strand (.25m)
54	8"	1K	Century (.20m)
6	8"	1K	Strand (.20m)
4	6"	750W	Century (.15m)

Par Cans.

75	PAR 64	1K	(30-NSP, 60-MFL, 10-WFL, 10-VNSP lamps)
----	-----------	----	--

Striplights/Cyc Lights

8	3 circ.	1K	IANERO Far Cyc R40 Flood strip lights, B/R/G/A roundels. (18 additional units are generally hung in the Playhouse)
10	4 circ.	300W	

Effects

- 1- DF-50 Hazer
- 1- Rosco 1500 Fogger

Additional Equipment.

- 10-13' (3.96m) Booms with top rings
- 52- Boom side-arms
- Prehung work lights
- Ladders, Electric Personnel Lift.
- 16 - 6 circuit socopex multicables, (100' - 150')
- 16 - Twistlock fanouts, 6 - Pin fanouts.
- Assorted Cable, Twofers

Important Notes:

Some lighting inventory is shared with the Department of Theater, Dance and Performance Studies. Lighting equipment available only upon advance notice. Please advance an inventory, lighting plot, and associated paperwork. Zellerbach Hall does not maintain a reliable gel inventory.

[top](#)

VIDEO

- Panasonic WV-D5100HS Camera mounted in projection booth, fixed stage view.
- Color monitor for stage manager.
- Color monitor mounted in center of Lobby.
- Black & White camera available for fixed view of conductor.
- 12" Black & White monitor of conductor for stage manager.

[top](#)

PROJECTION

- 16' X 16' front projection roll-up screen available. Requires hanging to a system pipe. No in-house slide, video or film projectors.
- A 750W Xenon projector with a 6:9 zoom lens is recommended for slides projected from the booth.

[top](#)

LINESET SCHEDULE

Line #	Dist. to Plasterline	Pipe Length	Notes
1	1'2" (.36m)	76' (23.16m)	Grand Drape
2	2'2" (.66m)	76' (23.16m)	Hard Header

3	2'8" (.81m)	76' (23.16m)	Hard Legs
5	3'3" (.99m)	75' (22.86m)	Orchestra Shell Ceiling
6	3'9" (1.14m)	62' (18.90m)	Bridge/1st Electric
7	4'11" (1.50m)	62' (18.90m)	Bridge/1st Electric
8	7' (2.13m)	76' (23.16m)	Orchestra Shell Ceiling
9	7'8" (2.34m)	76' (23.16m)	
10	8'4" (2.54m)	76' (23.16m)	
11	9' (2.74m)	76' (23.16m)	
12	9'8" (2.95m)	76' (23.16m)	
13	10'4" (3.15m)	76' (23.16m)	
14	11' (3.35m)	76' (23.16m)	
15	11'9" (3.58m)	76' (23.16m)	
16	12'5" (3.78m)	76' (23.16m)	
17	13' (3.96m)	68' (20.75m)	Fixed Orchestra Shell Ceiling
18	14' (4.27m)	62' (18.9m)	2nd Electric
19	15'7" (4.75m)	76' (23.16m)	
20	16'4" (4.98m)	76' (23.16m)	
21	17' (5.18m)	76' (23.16m)	
22	17'8" (5.38m)	76' (23.16m)	
23	18'4" (5.59m)	76' (23.16m)	
24	19' (5.79m)	76' (23.16m)	
25	19'8" (5.99m)	76' (23.16m)	
26	20'4" (6.20m)	76' (23.16m)	
27	21'4" (6.50m)	68' (20.75m)	Fixed Orchestra Shell Ceiling
28	22'9" (6.93m)	62' (18.9m)	3rd Electric
29	24'6" (7.47m)	76' (23.16m)	
30	25'4" (7.72m)	76' (23.16m)	
31	26' (7.92m)	76' (23.16m)	
32	26'8" (8.13m)	76' (23.16m)	
33	27'4" (8.33m)	76' (23.16m)	
34	28' (8.53m)	76' (23.16m)	
35	28'8" (8.74m)	76' (23.16m)	

36	29'4" (8.94m)	76' (23.16m)	
37	30' (9.14m)	76' (23.16m)	
38	30'8" (9.35m)	76' (23.16m)	
39	31'4" (9.55m)	76' (23.16m)	
40	32' (9.75m)	76' (23.16m)	
41	33' (10.06m)	62' (18.9m)	4th Electric
42	34'4" (10.46m)	76' (23.16m)	
43	35' (10.67m)	76' (23.16m)	
44	35'8" (10.87m)	76' (23.16m)	
45	36'4" (11.07m)	76' (23.16m)	
46	37' (11.28m)	76' (23.16m)	
47	38' (11.58m)	76' (23.16m)	
47a	38'9" (11.81m)	76' (23.16m)	Last seven line, full length lineset.
48	40'6" (12.34m)	68' (20.75m)	Obstruction SR
49	41'10" (12.52m)	68' (20.75m)	Obstruction SR
50	42'5" (12.93m)	68' (20.75m)	Obstruction SR

Notes:

All Pipes 1 1/2" O.D. 76' pipes have seven lines: Center, +/- 12', +/- 24' and +/- 36'.

[top](#)

ORCHESTRA SHELL

[8 piece custom Wenger shell](#), each tower is 10'-6" wide. Height varies from 30' - 24'. Canary Yellow.

8 piece Wenger "mini-shell," each unit is 6' wide by 12' high. Top flipper can play vertically or angle down. Medium Gray.

Orchestra chairs- black with chrome railings-145

Music stands- Manhasset and Hamilton- 90. Black.

Music stands- Collapsing, Hamilton Model 600-N, Chrome- 10

Music stand lights- generally lamped at 60 watts- 100

[top](#)

PROPERTIES

- 6- 2' x 8' tables
- 2- 2' x 6' tables

DRESSING ROOMS

One star dressing room, stage level, stage left. Seven additional dressing rooms one flight down, stage left. All dressing rooms equipped with monitors and page system. Dressing rooms have mirrors with lights, costume racks and dressing tables. Toilet facilities and showers are conveniently located. Some dressing rooms are shared with the Center for Theatre Arts and are subject to availability.

REHEARSAL SPACE

Space is available locally upon advance arrangement. Call for rates, reservations and availability.

PIANO

Steinway & Sons New York, Model D, 9' concert grand, serial number- 407148
(built in 1968)

Mason & Hamlin, 6' piano, serial number- 72138, suitable for rehearsal
Knight Upright

Tuning arrangements must coordinate with production schedule.

[top](#)