

ORPHEUM THEATRE

TECHNICAL INFORMATION PACKET

as of March 2025



Broadway San Francisco, LLC

1182 Market Street, Suite 200
San Francisco, California 94102

Toll Free Number: **(888) 746-1799**

www.broadwaysf.com

<u>Staff</u>	<u>Position</u>	<u>Telephone</u>
Jamie Budgett	General Manager	(646) 829-8734 Jamiebudgett@atgentertainment.com
Scott Kane	Chief Marketing Officer	(415) 551-2073 scottkane@atgentertainment.com
Kim Fisk	Director, Production	(415) 551-2054 kimfisk@atgentertainment.com
Brett Baker	Director, Group & Corporate Sales	(415) 551-2080 brettbaker@atgentertainment.com
Sean Ray	Director, Operations	(415) 551-2069 seanray@atgentertainment.com
Kevin Kopjak	PR / Communications	(415) 551-2052 kevin@prismaticcommunications.com
Davita Leaks	Director, Food & Beverage	(415) 551-2003 davitaleaks@atgentertainment.com
Caron Dawson	House Manager	(415) 551-2082 carondawson@atgentertainment.com
Josh Hayes	Deputy General Manager	(415) 551-2081 joshuahayes@atgentertainment.com
Rachel Caproni	Production Manager	(415) 722-3138 rachelcaproni@atgentertainment.com

**ALL STAFF PHONE NUMBERS ARE PRIVATE AND CONFIDENTIAL.
FOR ORPHEUM THEATRICAL STAFF AND PRODUCTION CONTACT INFORMATION,
PLEASE SEE THE PHONE NUMBERS LISTED FOR THE ORPHEUM THEATRE BELOW.**



ORPHEUM THEATRE

1192 Market Street, San Francisco, CA 94102

ALL PHONE NUMBERS LISTED ARE PRIVATE AND CONFIDENTIAL

THEATRE / HOUSE MANAGERS

Are Code (415) –

Caron Dawson, House Manager

551-2082

Asst. House Manager

551-2083

BOX OFFICE

Box Office 1 / 2 / 3

551-2027 / 2028 / 2029

Al Brazil, Treasurer, albrazil@theambassadors.com

551-2076

AUDIENCE SERVICES – (BroadwaySF Ticketing)

888-746-1799

Griffen Herrera, Director, Ticketing

551-2017

Ann Winters, Director, Audience Services

551-2022

FRONT-OF-HOUSE

Head Usher

551-2034

BACKSTAGE

Stage Door - Stephanie Alvarez

551-2002

E-mail – SFAlvarez1221@yahoo.com

House Carpenter - Vince Maguire

551-2092

Cell – (415) 559-6051; E-mail – vmaguire@sbcglobal.net

House Electrician – Patsy McCormack

551-2094

E-mail – patsymccorm@gmail.com

House Props - Jon Hunkiewicz

551-2093

Cell – (415) 994-4865; E-mail – jonhunkie@yahoo.com

House Sound - Denise Woodward

551-2094

Cell – (415) 971-6321; E-mail – denise_A_woodward@yahoo.com

House Wardrobe - Shannon Sigman

551-2096

Cell – (408) 315-2620; E-mail – shannon@sfcurren.com

House Flyman – Cory Schmidt

551-2098

Cell – (650) 207-5470; E-mail – cmitty72@gmail.com

**NOTE: Offices are not always staffed if the theatre is between shows.
If you get no response, please call the House Manager's office.**

THEATRE SEATING CAPACITY

FULL THEATRE CAPACITY

Orchestra	1,253
Loge	174
Mezzanine	448
Balcony	292
Wheelchair/ADA	30
TOTAL	2,197

NOTE: Capacity is subject to production and sightline kills.

PLAYHOUSE SEATING CONFIGURATION

Orchestra	1,253
Loge	174
Mezzanine	448
Wheelchair/ADA	30
TOTAL	1,905

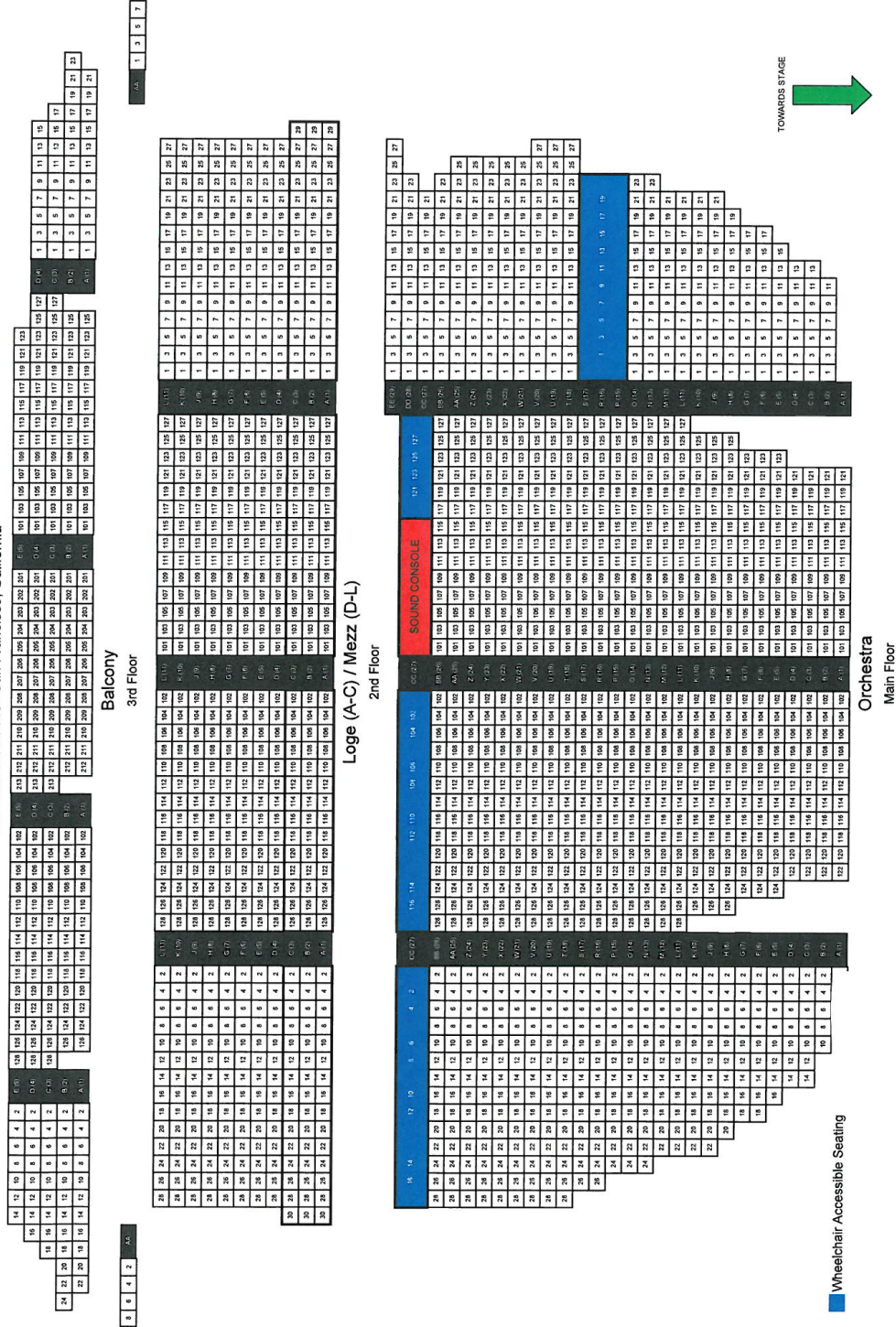
NOTE: Capacity is subject to production and sightline kills.

*Please notify Theatre Management if you expect to have
any obstructed view seats in the house that cannot be sold.*

FULL THEATRE SEATING MAP

Orpheum Theatre

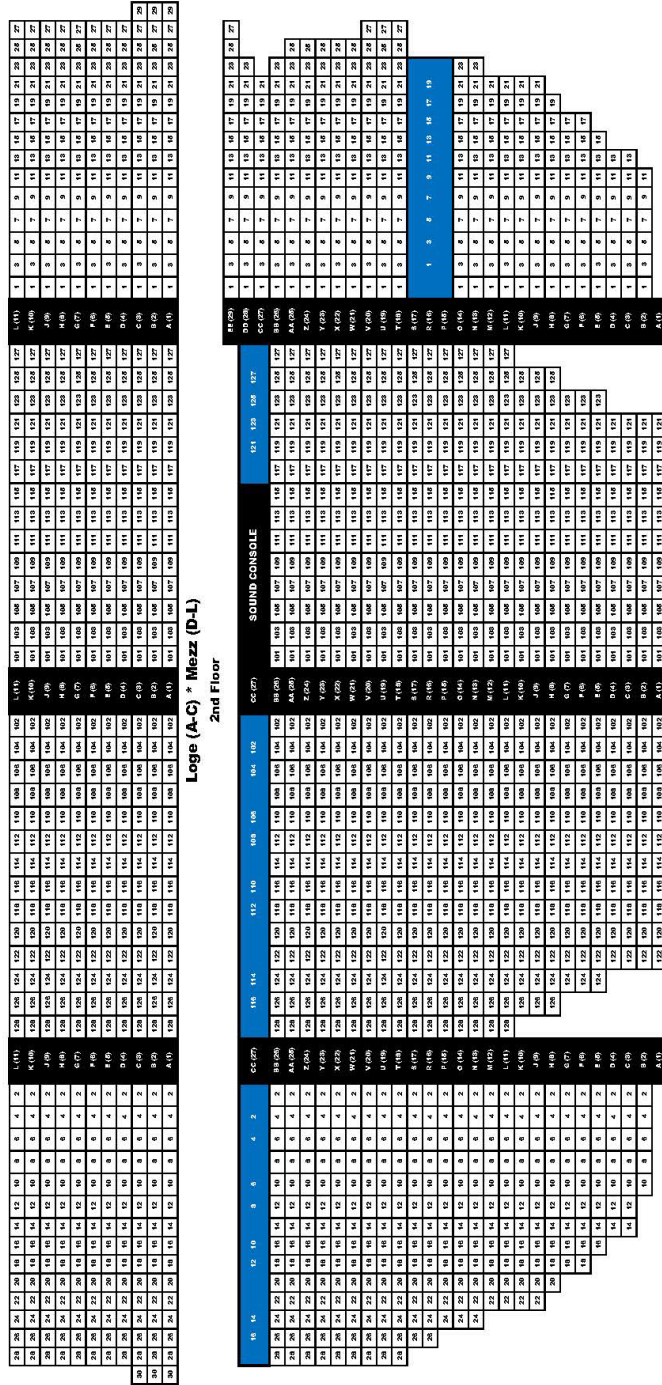
1192 Market Street - San Francisco, California



PLAYHOUSE CONFIGURATION SEATING MAP

Orpheum Theatre

1192 Market Street - San Francisco, California



UNIONS

STAGEHANDS*

I.A.T.S.E. (Local 16), <http://www.local16.org/>
Jim Beaumonte, Business Agent, jb@local16.org
240 2nd Street, 1st Floor, San Francisco, CA 94105
(415) 441-6400 / (415) 243-0179 Fax

* BroadwaySF requests that it be notified of B-roll shoots as early as possible in the production process. If tickets are on sale, any seats or sightlines displaced by camera positions must be replaced by Company's house seats. BroadwaySF suggests you contact IATSE Local 16 in relation to staffing B-roll shoots as they can provide qualified personnel for a shoot including camera operators, video, sound and/or other specialized crafts.

WARDROBE

I.A.T.S.E. (Local 784), <http://iatwu784.org/>
Jennifer Long, Business Agent, ba@twu784.org
1182 Market Street, Suite 312, San Francisco, CA 94102
(415) 307-8379

MUSICIANS

American Federation of Musicians (Local 6), <http://www.afm6.org>
Kale Cumings, President, kale@afm6.org
116 9th Street, San Francisco, CA 94103
(415) 575-0777

Kevin Porter, Theatre Representative/Contractor
(415) 269-0933 cell

BOX OFFICE, F.O.H., STAGE DOOR

I.A.T.S.E. (Local B-18), <http://iatse-local-b18.org>
Johnny Moreno, Business Agent, B18bizagt@sbcglobal.net
965 Mission Street, Room 207, San Francisco, CA 94103
(415) 974-0860 / (415) 974-0852 Fax

TEAMSTERS

Curtin Theatrical Moving, <http://www.curtinconvention.com> **Lynne Curtin, President**, lynne@curtinconvention.com
2269 Chestnut Street, Suite 628, San Francisco, CA 94123
(415) 883-7818

HAIR*

I.A.T.S.E. (Local 706), <http://www.local706.org/>
Patrice Madrigal, Asst. Business Rep. (*Negotiating contracts*)
pmadrigal@ialocal706.org
(818) 295-3933, x. 1102 Office
(818) 391-9966 Cell

Karen Westerfield, Business Representative (*Negotiating contracts*)
kwesterfield@ialocal706.org
(818) 295-3933, x 1100 Office

Lisa Zomer, San Francisco Steward (*Booking*)
sf706steward@gmail.com
(510) 436-6666

STUDIO TEACHERS

As a courtesy to the Stagehands Union Local 16, BroadwaySF has agreed to inform shows that Local 16 will accept Health and Welfare, and Pension benefits on behalf of Studio Teachers and Hair and Makeup employees.

TECHNICAL SPECIFICATIONS

STAGE AREA and SHOP

All upstage, downstage measurements are taken off a line snapped across stage at the upstage side of the smoke pocket.

The following conditions **DO NOT** exist at the Orpheum Theatre:

- Motorized or hydraulic sets
- Movie screens
- Electric raceways on house pipes
- Band shells or such that would prohibit hanging a show on 6" centers

Some gaps and rigging limitations due to structural steel in grid (see attached line plot)

ACCESS TO THE STAGE & ACCESSORY LEVELS

- Loading door is upstage right with an opening 12' w X 12' h
- Door is a motorized guillotine type with 13" drop in elevation to stage level
- Loading ramp is 12' w X 8' h, engineered at 65,000 lbs. load capacity
- Loading ramp is raised and lowered into place with two (2) 1-ton chain motors
- Two chain motors are free for cargo handling when ramp is in the down position
- Door from backstage area is located upstage left with an opening of 8' w X 9' h
- Spacious straight hallway provides access from Market Street stage door to freight elevator and stage house

TRUCK LOADING/UNLOADING

- Three sides of the building provide load in/out access
- Traditionally, wardrobe comes in via the Market Street stage door
- Sound comes in via Hyde Street, which puts them at the rear orchestra lobby
- Scenery comes in the loading door located on the United Nations Plaza side
- NOTE: EVERY WEDNESDAY AND SUNDAY THERE IS A FARMER'S MARKET FROM 5:00 AM TO 6:00 PM. With this in mind, the production should be mindful of their trucks, their contents, and their loading and un-loading sequence.

FREIGHT ELEVATOR

- Provides access between stage level and basement
- 1-ton load limit
- Door opening: 4'0" X 8'0"
- Car is 5'9" X 7'10" and 10'0" in height

STAGE RIGHT

- 1-ton chain hoist lifts cargo to all stage right accessory levels through 4'0" X 8'0" trap doors
- Stage right electric jump floor elevation +37'1"
- Stage right automation level elevation +49'6"
- Stage right grid level elevation +75' to working surface
- Crew access to all stage right elevations is via the downstage right staircase

STAGE LEFT

- 1-ton chain hoist lifts cargo to all stage left elevations; a gate exists at each level
- Stage left fly floor level is at +37'1"
- Stage left intermediate loading bridge level is at + 54'2"
- Stage left loading bridge level is at +69'5"
- Stage left grid level is at 75' to working surface

HOUSE CURTAIN

The house curtain is a counterweighted, guillotine type, operated from stage left fly floor by house flyman.

HOUSE DRAPERY / LEGS, BORDERS, ETC.

The house has 4 sets of legs and borders and one Blackout Curtain.

STAGE FLOOR

The stage floor is hard rock maple, painted black. It can be fastened into, although it must be restored. The stage floor is trappable. Please contact House Carpenter, Vince Maguire, at [415-551-2092](tel:415-551-2092) or vmaguire@sbcglobal.net, for details.

As of January 2007, there is an existing 16' x 8' trap cut into the stage floor, located approximately 10'10" – 18'10" US from 0'0" and 12'3 ½ " LOC and 44" ROC. Four trap lids measuring approx 4'0" x 8'0" cover and secure the trap.

PERSONNEL LIFT / LADDERS

- 36' JLG Accessmaster lift
- Assorted ladders from 6' to 14' in height

GENERAL SHOP

Small (22' X 33') but well equipped shop for set repairs and alterations.

- | | |
|----------------------|---|
| • Table Saw | • Electromagnetic Drill Press Grinding wheels |
| • Radial Arm Saw | • Air Compressor |
| • Band Saw | • Metal work station area |
| • Drill Press | • Dust Collection System |
| • Belt & Disc Sander | • Vise |

NOTE: Touring Companies are responsible for replacing the expendables used.

FLY SYSTEM

SINGLE PURCHASE COUNTERWEIGHT RIGGING SYSTEM

- Seventy line sets on 6" centers, divertible.
- Tee tracks are of 2" X 2" ¼" steel stock.
- Truss battens are 60'0" long, 1' 0" high constructed of 1 ½ " schedule 40 steel pipe.
- Battens are suspended from five (5) pick up cables (24' LOC 12' LOC CEN. 12' ROC 24' ROC).
- Arbor load capacity: 1,500 lbs. above the 325 lbs. pipe weight; 1,825 lbs. total weight.
- Available free counterweight: 55,000 lbs. located on the loading bridge and fly floor.
- 125 spot wheels available.
- 8,000 ft. of hemp and sand bags.
- Truss batten travel is 64' 10"; low trim is 4' 0" above the deck.

LINE PLOT

- Distance From Plaster Line To Smoke Pocket Lip Is 0' 7"
- Distance From Smoke Pocket Lip To Edge Of Forestage Is 4' 3"

FLY SYSTEM NOTES

- Gaps and limitations are due to structural steel in grid.
- System underhung above grid.
- Sheaves may not be moved.
- Diverters available.
- Hemp sets and sandbags available.
- Capstan winches located at Floor Level and at Fly Floor Level.
- 125 Spot Sheaves available.
- 8,400 feet of hemp available.
- System pipes are 1' 0".
- Trusses 60' 0" long.
- 3' 6" Extensions available.
- Sets are 5 Line.
- Arbor capacity: 1,500 lbs. above pipe weight.
- Six (6) trailer arbors available.
- 55,000 lbs. of free counterweight available.
- Height to walking surface of gridiron: 75' 0".
- High trim of pipes: 69' 10".

LINE SETS

LINE SET	SMOKE POCKET	SET No.1	DESCRIPTION	TRIM	WEIGHT	NOTES
	LIP AS 0'0"	AS 0'0"				
V			VALANCE			Plays D.S. of proscenium
FC			FIRE CURTAIN			
HC			HOUSE CURTAIN			Pipe In- trim at approx. 25'-0"
1	0'10"	0' 0"				
2	1' 4"	0' 6"				
3	1' 10"	1' 0"				
4	2' 4"	1' 6"				
5	2' 10"	2' 0"				
6	3' 4"	2' 6"				No Move US
7	3' 10"	3' 0"				
8	4' 3"	3' 6"				
9	4' 10"	4' 0"				
10	5' 4"	4' 6"				
11	5' 10"	5' 0"				
12	6' 4"	5' 6"				
13	6' 10"	6' 0"				
14	7' 4"	6' 6"				
15	7' 10"	7' 0"				
16	8' 4"	7' 6"				
17	8' 10"	8' 0"				
18	9' 3"	8' 6"				No Move US
19	9' 10"	9' 0"				
20	10' 4"	9' 6"				
21	10' 10"	10' 0"				
22	11' 10"	11' 0"				
23	12' 4"	11' 6"				
24	12' 10"	12' 0"				
25	13' 4"	12' 6"				
26	13' 10"	13' 0"				
27	14' 3"	13' 5"				No Move US
28	14' 10"	14' 0"				
29	15' 4"	14' 6"				
30	15' 10"	15' 0"				
31	16' 4"	15' 6"				
32	16' 10"	16' 0"				
33	17' 4"	16' 6"				
34	17' 10"	17' 0"				
35	18' 4"	17' 6"				
36	18' 10"	18' 0"				
37	19' 3"	18' 5"				No Move US
38	19' 10"	19' 0"				
39	20' 4"	19' 6"				
40	20' 10"	20' 0"				
41	21' 4"	20' 6"				
42	21' 10"	21' 0"				
43	22' 4"	21' 6"				
44	22' 10"	22' 0"				
45	23' 11"	23' 1"				Can Move US 4"
46	24' 4"	23' 6"				Can Move DS 2"
47	25' 4"	24' 6"				
48	25' 10"	25' 0"				

LINE SETS - CONTINUED

LINE SET	SMOKE POCKET	SET No.1	DESCRIPTION	TRIM	WEIGHT	NOTES
	<u>LIP AS 0'0"</u>	<u>AS 0'0"</u>				
49	26' 4"	25' 6"				
50	26' 10"	26' 0"				
51	27' 4"	26' 6"				
52	27' 10"	27' 0"				
53	28' 4"	27' 6"				
54	28' 10"	28' 0"				
55	29' 3"	28' 5"				No Move US
56	29' 10"	29' 0"				
57	30' 4"	29' 6"				
58	30' 10"	30' 0"				
59	31' 4"	30' 6"				
60	31' 10"	31' 0"				
61	32' 4"	31' 6"				
62	32' 10"	32' 0"				
63	33' 4"	32' 6"				
64	33' 10"	33' 0"				
65	34' 3"	33' 5"				No Move US
66	34' 10"	34' 0"				
67	35' 11"	35' 1"				
68	36' 4"	36' 0"				
69	36' 10"	36' 0"				
70	37' 6"	36' 8"				

RIGGING

Twenty-three (23) 1-ton chain motors and their controls.

Twelve (12) motors are downstage of the proscenium.

Seven (7) motors are upstage of the proscenium. Four (4) Extra.

Spansets, shackles, truss and rigging hardware are to be provided by the traveling company.

FRONT OF HOUSE RIGGING

SOUND CLUSTER

- 4 @ 1-ton Loadstar chain motors.
- Position: 4' 6" downstage of the proscenium arch at 5' 6" left and right of center.
- Traveling company provides all rigging hardware below the swivel hook.

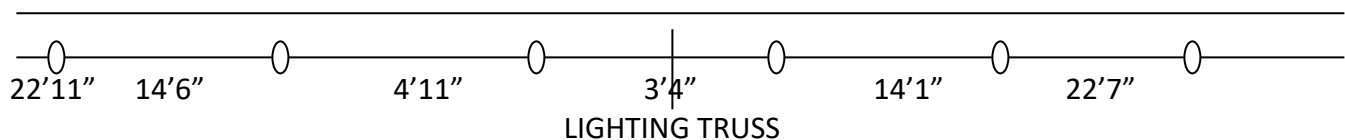
SOUND SIDE FILL

- 2 @ 2-ton Loadstar chain motors.
- Positioned 31' 0" left and right of center. Approximately 2' 6" downstage of house left and right proscenium arch plaster columns.
- Traveling company provides all rigging hardware below the swivel hook.

LIGHTING TRUSS

- 4 @ 1-ton Loadstar chain motors.
- Position: 19' 6" downstage of the proscenium arch.
- A lighting truss can be built on the apron of the stage and raised.
- Traveling company provides all rigging hardware below the swivel hook.

FOCUS TRACK



FOCUS TRACK

- 6 @ ½ ton Loadstar chain motors.
- Position: 2' 0" downstage of the lighting truss.
- Focus track points align with the lighting truss points.
- Traveling company provides all rigging hardware below the swivel hook.

STAGE RIGGING

UPSTAGE LEFT GRID

- 1 @ 1-ton Loadstar chain motor.
- Position: upstage left in the grid.
- 4' 0" X 4' 0" section of grid (subway grading) is removable to haul cargo up to grid level.

UPSTAGE RIGHT GRID

- 1 @ 1-ton Loadstar chain motor.
- Position: upstage right in the grid.
- Access route is outside the footprint of the counterweight system pipes.
- Two 2' 0" X 8' 0" Trap doors provide a 4' 0" X 8' 0" opening to move cargo to electric jump, automation or to grid.
- Cargo on wheels can be hauled up to grid level and rolled on a plywood covered grid floor.

LOADING DOOR RAMP

- 2 @ 1-ton Loadstar chain motors.
- Position: above the loading door at +33' 0".
- Motors are used to raise and lower the 8' 0" X 12' 0" steel ramp. When the ramp is in the down position, the motors can be freed up for cargo handling.
- Traveling company to provide all rigging hardware below the swivel hook.

OFF STAGE RIGHT

- 1 @ 1-ton Loadstar chain motor.
- Position: under the electric jump on a beam trolley.
- Motor moves up and downstage for cargo and set piece handling.
- Traveling company to provide all rigging hardware below the swivel hook.

ELECTRICS

ELECTRICAL SERVICE

2,000 amps (three phase) are available for road service. Union Connector Co. "Company Switches" are placed throughout the facility for AC service.

PANEL	PHASE	AMP	CIRCUIT PROTECTION	SUGGESTED USE	LOCATION
AAS	3	200	Breaker	motors/effects	Attic, above aud.
GAS	3	100	Breaker	motors/effects	Grid
ULS	3	100	Breaker	motors/effects	U.S.L.
SLAS	3	200	Breaker	motors/effects	DSL
SRAS1	3	200	Breaker	motors/effects	Off SR
SRAS2	3	100	Breaker	motors/effects	Off SR
TAM	3	400	Breaker	motors/effects	Trap DSL
*TAB1	3	400	Breaker	motors/effects	Trap UC
*TAB2	3	400	Breaker	motors/effects	Trap UC
*SALB1	3	400	Breaker	motors/effects	Automation Level
*SALB2	3	400	Breaker	motors/effects	Automation Level
SALA1	3	400	Breaker	road dimmers	Electric Jump
SALA2	3	400	Breaker	road dimmers	Electric Jump
SALA3	3	400	Breaker	road dimmers	Electric Jump
TSS	3	250	Breaker	Audio (isolated)	Trap SL
SALA4	3	400	Breaker	Service Truss	Electric Jump
SALA5	3	400	Breaker	Service Truss	Electric Jump

***NOTE:** Company Switches wired concurrently

NOTE: All Co. Switch output receptacles are female ECT series #16 devices, compatible with Cam-Lok E1016.

ROAD DIMMER RACKS

- Recommended location for dimmers is up on the electric jump, approximately 650 sq. ft., with a rest room.
- Hoist and access trap doors (4'0" X 8' 0" opening) enable cargo handling.

FRONT OF HOUSE LIGHTING POSITIONS / CIRCUIT COUNT / LOCATIONS

All front of house lighting circuits land at their assigned E.T.C. (Electronic Theatre Controls, Inc.) 2.4KW dimmer module. 227ea. total circuits.

No house lighting equipment hung.

NOTE: THERE ARE NO SINGLE PHASE 208 CIRCUITS DISTRIBUTED. Any equipment requiring 208 volts will require load cable runs to their respective locations.

Circuit terminations are standard grounded pin connectors. The circuit count and location are as follows:

- Attic "Tree House" 54ea. 20 amp. cir. & 3ea. 60 amp. cir.
- Balcony Rail (far rail) 24ea. 20 amp. cir.
- Mezzanine Rail (near rail) 24 ea. 20 amp. cir.
- Far Box Booms 12 ea. 20 amp. cir. per side
- Pit 12 ea. 20 amp. cir. Near Box Booms 12 ea. 20 amp. cir. per side
- Temple positions 6 ea. 20 amp. cir. per side
- Trap 24 ea. 20 amp. cir. & 2 ea. 60 amp. cir.
- Stage Left 12 ea. 20 amp. cir.
- Stage Right 12 ea. 20 amp. cir.

ATTIC / "TREE HOUSE"

- Floored 8' X 16' work area services the front of house lighting truss.
- 54 ea. standard, grounded stage pin connectors, mounted on a large panel.
- 6 ea. 50 amp pin circuits.
- Multi fan outs are required to tie in to the (transfer) house dimmers.

LOGE / MEZZANINE RAIL (near balcony rail)

- Near rail is 42' from the proscenium and provides approximately 42' left and right of center (84' total) to hang lighting instruments.
- 24ea. grounded, 20 amp circuits.
- All 20 amp stage pin connectors, flush mounted on four raceways, six circuits to a raceway.
- Two raceways are located left of center, two right of center.
- A break away railing and two projection platforms are available.

BALCONY RAIL (far balcony rail)

- Far rail is 62' from the proscenium and provides approximately 40' left and right of center (80' total) to hang lighting instruments.
- 24ea. grounded, 20 amp circuits. (20 amp stage pin connectors, flush mounted on four raceways, six circuits to a raceway.)
- Two raceways are located left of center, two right of center.
- Two portable projection/spot platforms (48"X 84") are available in house.

BOX BOOMS

- Four box boom locations. Two house left and two house right, a near and a far.
- Near box booms: 35' from center stage at the down stage apron edge.
- Far box booms: 45' from center stage at the down stage apron edge.
- Pipe: standard 1 ½ " black pipe.
- Twelve 48" long horizontal pipes are attached to each of the four vertical booms with cheeseboroughs. Pipes can be moved or added when required.
- Fall Protection: All four box booms are equipped a retractable lifeline from above and a rigid rail trolley system for worker location.

DMX512

While all DMX terminations are Spin XLR, note all DMX is wired with 3 conductors.

- 16 ea. DMX512 output (female XLR) plug in stations throughout the facility.
- Each DMX plug in station includes four (4) discreet dry lines (A B C D). They are located at all lighting positions as well as in the attic, the trap, the pit area and against the downstage right and left walls.
- Eight Dry line DMX512 input (male XLR) (A B C D), ETC Link and Net plug in stations are located throughout the Orpheum. There are input stations located against the downstage right and left walls, at a tech table position in the orchestra section and various other locations. The lighting console is normally set up at the rear of the mezzanine section where DMX input is available as well as power. There is a work platform there that does not require the removal of seats.

All DMX dry lines terminate in a patch rack located on the electric jump level stage right. Included are four rack-mounted opto-isos for distribution. DMX interface with the house dimmer rack control is located here as well. Four ETC NET3 Gateways manage the distribution system.

FOLLOWSPOTS

- Access: Via stairs from backstage and FOH.
- Throw: from the booth is 120' from the stage.
- Three super troopers or like instruments can easily be accommodated in the booth (Four can fit tightly).
- AC service and ventilation.
- Rest room and a small observation room.

TOWER SPOT POSITIONS

- Located at the top of the near box boom locations.
- Removable (from the inside) panel reveals tower spot location.
- Power, (60 amps 3 phase) DMX and clear-com for the operators.

TEMPLE LIGHTING / EFFECTS POSITIONS

- Between the proscenium and the near box booms are architectural design pieces - the temples.
- A panel is removed to utilize this position.
- Inside open area: approximately 25 square feet.
- Inside 6 @. 20 amp. circuits (standard stage pin connector) and DMX (4 universes).

CUE LIGHT CIRCUITS / CONVENIENCE OUTLETS

- Cue lights, 5 colors (Red, Blue, Green, Amber & White) of "Bend-A-Lite" at eye level up and down stage behind the fly floor tee track.
- Patching access is both downstage left and right.
- Dry lines for cue lights are at: automation level, electric fly floor, stage left, stage right, upstage and the basement trap area stage left and right.

LIGHTING PACKAGE

Package Does Not Live In House - Please Verify Availability

***** Lighting Package Specs located in the Appendix***

SOUND

LOAD IN / LOAD OUT

- Audio can load in on the Hyde street side (orchestra, rear access) of the building. Masonite is laid over the carpet.
- Freight elevator at 1178 Market Street (Stage Door) provides access to the basement trap area.

AUDIO POWER

- 250 amps 3 phase (off an isolated transformer) in the trap area.
- "Company Switch" can be tied in via lugs or directly to the output receptacles, female ECT series #16 devises, compatible with cam-lok E1016.

F.O.H. SPEAKERS

- NO house cluster, side fill or under balcony audio system.
- Cluster motors are in place, see FOH Rigging.
- Side fill motors are in place, see FOH Rigging.
- Under balcony points are available at the balcony rail.
- Delay cluster points and sleeves in the attic are in place, motors and rigging are not.

COMMUNICATION

- Clear Com model SB440 communication system is in place.
- Available equipment:
 - 10 @ KB111A
 - 10 @ Headsets
 - 4 @ RS501
 - 2 @ RS502
 - 4 @ HS6
- Hearing impaired infrared listening system is in place at the Orpheum.
- 70 volt page and show program system exist throughout the facility.
- 8 @ XLR dry lines run from the spot booth to the sound room.
- Video lines, XLR, Speaker lines, Cat 5 (voice & data) are available throughout the facility.

CONSOLE LOCATION

- A corralled area (6'11" X 12') is located at the rear of the orchestra for console set up. Clear com, telephone, video and audio lines located at the mix position.
- Cable runs through the plenum to the amp racks, approximately 150 feet.
- Holes in the floor provide access to the plenum for cable runs.

AUDIO / GENERAL INFORMATION

- Many access holes throughout the facility for cable runs.
- Sound set up area in basement trap area is 15' X 40'.
- Freight elevator provides easy access to the basement trap area.
- Late seating monitors provided in the inner lobby for our patrons.
- Clear-com station is provided front of house for ushering staff.

IN HOUSE SOUND SYSTEM

Package Does Not Live In House - Please Verify Availability

*****Audio package specs located in Appendix***

BroadwaySF WiFi Equipment

BroadwaySF wireless network consists of various Wireless Access Points throughout the building providing services using 802.11b/g/n radios with frequencies ranging from 2.412GHz to 2.462GHz and 802.11a/n radios with frequencies ranging from 5.180GHz to 5.835GHz. The wireless system is autocorrecting and will adjust to a non-interfering channel (frequency) through background scanning of all open channels. Please contact Sean Ray, Director of Operations at BroadwaySF, should you have issues due to interference caused by overlapping frequencies within their respective ranges (seanray@atgentertainment.com). The wireless radios can possibly be adjusted to provide better coverage for your equipment.

ADDITIONAL INFORMATION

SPECIAL EFFECTS

- Compliant with both Title 19, California Health & Safety Code and NFPA 1126, which regulate pyrotechnics.
- Fire safety system meets 1998 standards and codes.
- Local permits and a California licensed operator are required (personnel available locally).
- Fire extinguishers, magazines and other pyro expendables and equipment are available locally at extra cost.
- Dry ice containers available at no charge.

HAZARDOUS MATERIAL

- Materials such as paints, solvents, oil, hydraulic fluid or other chemicals must be handled in a safe manner.
- No such material is to be disposed of by tossing out with the trash or pouring down a drain.
- Hazardous material left behind by a touring company will be disposed of properly and billed to the company.

ORCHESTRA PIT

- Quarter elliptically shaped to the front of house.
- 15' 9" up and down stage @ centerline (pit rail to upstage wall) x 43' 2" wide.
- Manually manipulated (not an elevator), 8 man 8 hour call
- Pit floor raised to the auditorium level may be seated with up to 30 seats.
- The Pit has two possible heights:
 - It is split level at the higher mark, which is 81" below stage in this mid orchestra position. This level has less floor area as there is a 32" step down to the lower position at the rear of the platform.
 - The lower mark, with more flat area to work with, is 113" below stage.
- Pit rail hard surfaced, 36 1/2" above auditorium floor
- Top of pit rail is 11 1/2" below stage level
- Stage level is 48" above auditorium floor
- US wall of the pit is 8' 3" from the apron (i.e. under the stage) and approx. 7' 6" @ centerline, from apron fascia to the apex of the ellipse.
- Pit floor level *is* adjustable; (conductor site lines must be considered). Elevation adjustments are achieved by substitution of platform legs. Some material is in house; depending upon the height, more material may need to be purchased to meet a production's requirements for configurations and heights other than listed above.
- Musicians enter the pit through the trap room (basement level). Maximum musician count is 23-26.

DRESSING ROOMS & WARDROBE

The Orpheum Theatre has a total of 11 dressing rooms, 2 chorus rooms and 1 quick-change room equipped and located as follows:

DRESSING ROOMS @ STAGE LEVEL:

3 "STAR" dressing rooms and a permanent quick-change booth are located stage left. A common door exists between SDR # 1 and SDR # 2 to allow a visiting "STAR" to spread out, making room for a warm up area with piano or to accommodate a sector to greet guests.

- Air conditioning, carpeting, receiving area, table, small couch and chairs.
- Large make-up "Vanity Table" and wardrobe area.
- WiFi and hard-wired internet access (Three ports each in SDR's 1 & 2; Four ports in SDR 3).
- Bathroom, toilet area, large shower and a sink.

DRESSING ROOMS / CHORUS ROOMS @ BASEMENT LEVEL:

- 8 dressing rooms (stage left side) – all have hard-wired ports available.
- 2 chorus rooms (stage left side) – each with 1 hard-wired port.
- Orchestra personnel room – with 1 hard-wired port.
- Can accommodate 73 cast members.
- Two rooms serve a dual purpose:
 - Company Manager's office or Stage Manager's office (equipped with additional electrical circuits and hard-wired ports) can accommodate 4 cast members.
 - Dressing Room # 3 / Wig Room (equipped with a deep sink and additional electrical service for wig dryers) can accommodate 4 cast members. Also has 1 hard-wired port.

WARDROBE

- Location: basement level, stage left side.
- Size: 20' X 38' or 760 square feet. Adjacent, is the local wardrobe supervisor's office. The wardrobe room is well lit and air-conditioned.
- Equipment: 3 washers, 3 dryers, a deep sink, folding area, ample AC power distribution.
- Three (3) hard-wired ports are available upon request.
- Stage Door person must be present for all work calls.
- Additional chairs and tables can be provided upon request.
- 13 large and 4 small rolling costume racks are available for use.
- Shoe spraying, dyeing and use other toxic substances can be done in a prescribed area of the general shop with a specifically designed exhaust system and respirators.

BACKSTAGE RESTROOMS

* 15 toilets / * 8 showers / * 24 sinks / * 5 deep sinks

Street Level:

- Stage left: ADA accessible toilet equipped with a single toilet and sink.

Basement Level:

- Stage left: 2 ADA accessible large restrooms with counter space, multiple sinks and showers.
- Stage right: ADA accessible toilet equipped with a single toilet and sink.



WEST COAST THEATRICAL VENDORS

PLEASE NOTE – This is simply a listing of theatrical vendors. In no way does BroadwaySF endorse or act as a partner with any of the companies listed below, unless specifically noted.

ISLAND CREATIVE MANAGEMENT

<http://www.island-creative.com/>

440 California Avenue, Bldg. 2, Treasure Island, San Francisco, CA 94130

(415) 834-0641 / Fax (415) 834-0841

CONTACT: SCOTT BEVER, sbever@islandcreative.com

HOLZMUELLER PRODUCTIONS

<http://www.holzmueller.com/>

1000 25th Street, San Francisco, CA 94107

(Mon-Fri, 8a-5p)

(415) 826-8383

SACRAMENTO THEATRICAL LIGHTING

<http://www.stlltd.com>

950 Richards Boulevard, Sacramento, CA 95811

(Mon-Fri, 8a-5p;

(800) 283-2785

Sat, 10a-2p)

BBI ENGINEERING, INC.

<http://www.bbnet.com/>

241 Quint Street, San Francisco, CA 94124

(415) 695-9555 / (415) 695-9276 fax

blackboxes@bbnet.com

MUSSON THEATRICAL

www.musson.com

890 Walsh Avenue, Santa Clara, CA 95050

(Mon-Fri, 8:30a-5:30p;

(800)-843-2837

Sat, 10a-2p)

A-1 ENTERTAINMENT SERVICES

www.a1ent.net

(Based in Las Vegas - formerly A-1 Audio)

(702) 739-9883 (Best for Theatrical Sound Systems)

CREATIVE TECHNOLOGY SAN FRANCISCO

www.ctsanfrancisco.com/

2501 Monarch Street, Hangar 22, Alameda, CA 94501

(510) 217-2700 / (510) 217-2874 fax

Contact: David Skaff – dscaff@ctsanfrancisco.com

JK SOUND

<http://www.jksound.com/>

1425 Davidson Avenue, San Francisco, CA 94124

(415) 826-6864

For all live audio rental needs

PRO MEDIA / ULTRASOUND

www.promediausa.com

800 Alfred Nobel Drive, Hercules, CA 94547

(510) 741-2925

(Local) Has Meyer Equipment

**STAGE RIGGING, INC.**

2690 Middlefield Road, Unit F, Redwood City, CA 94063
(650) 299-1189

www.stagerigging.com

PRO PIANO

760 Tennessee Street, San Francisco, CA 94107
(415) 641-1210

www.propiano.com

ABSOLUTELY MUSIC

128 Starlite Street, South San Francisco, CA 94080
Nigel Gilchrist - (650) 871-7171
nigel@absolutelymusicinc.com

<http://www.absolutelymusicinc.com/>

STUDIO INSTRUMENT RENTALS (SIR)

1215 Fairfax Ave - (415) 957-9400

www.sir-usa.com/locations/san-francisco/

4 WALL

4130 E Los Angeles Ave. Simi Valley, CA
93063 (818) 252-7481

www.4wall.com

**FOR ADDITIONAL VENDORS, SEE THEATRICAL EQUIPMENT & SUPPLIES ONLINE,
OR SEE THE HOUSE MANAGER.**

THEATRE POLICIES AND MISC INFO

KEYS

Company and stage management offices and other individual keys may be checked out, in the House Manager's office, by appropriate company members. These keys are on a security system and are quite expensive to duplicate so please be sure and return them at the end of your run.

STAGE DOOR & SECURITY

The stage door is located at 1178 Market Street. It is a large white double door with the number 1178 and "Stage Door" on it. The stage door person comes on duty approximately two (2) hours prior to curtain and one half hour (1/2) prior to rehearsals, unless the production is providing and paying for a stage door person at other times. Access at other times is available only with prior arrangement with company and stage management. NO ACCESS SHALL BE GRANTED TO BACKSTAGE VIA THE FRONT-OF-HOUSE. All cast & crew must check-in with the stage door person. There is a security guard outside the stage door approx. 2 hrs prior to performance. Additional guards start working during patron walk-in, approximately 1 hour prior to performance.

REHEARSALS / WORKCALLS

At least one house department head **must** be in the theatre for any rehearsal. Call can be arranged through the Head Carpenter or house steward. In addition, stage door and security personnel may be required per House Management, which will be an additional charge.

MINORS EMPLOYED BY THE SHOW

California has very strict Child Labor Laws. It is a good idea to contact the Division of Labor Standards Enforcement for information on proper permitting and supervision requirements.

445 Golden Gate Avenue, 10th Floor
San Francisco, CA 94102
415-703-5300 / 415-703-5301

BACKSTAGE GUESTS

Assuming stage management allows guests backstage, all company members must notify the stage door person ahead of time so the names of guests can be put on the guest list. When the guests arrive, the stage door person will page the company member to the stage door so the guest may be escorted. The stage door person cannot leave the door to find someone or deliver messages. To insure the safety of all concerned, no one will be admitted who is not properly identified.

MAIL

If the company has engaged a stage door person to be on duty, at the show's sole expense, during normal business hours (9am to 5pm, Monday through Friday, excluding when stage door is on for a weekday matinee), any mail and packages for your production can be shipped directly to the theatre stage door (1178 Market Street, San Francisco, CA 94102). If the company is NOT engaging a stage door person during normal business hours (9am to 5pm, Monday through Friday), it is best to have mail and packages shipped to the BroadwaySF Executive Offices at 1182 Market Street, Suite 200, San Francisco, CA 94102. The office is located in the building adjacent to the Orpheum Theatre on the 2nd floor. The Company Manager (or representative) should plan to check for mail on a daily basis. **It is the responsibility of Company Management to retrieve any mail and packages promptly – please do not send individual company members to collect mail and packages.** BroadwaySF does not deliver mail and packages to the company. Please make sure company members are aware to have senders indicate the person's name AND production name on the correspondence.

For any company deliveries that require signatures (FED EX, UPS, etc.) – production related, personal, or merchandise – either someone from Company Management (or Merchandise) should be present to sign for the delivery, OR a daily stage door person will need to be engaged to accept delivery, OR a daily stage door person will need to be engaged to accept deliveries - **at the company's sole expense.** If the company does not engage a stage door person at their expense, BroadwaySF assumes no responsibility for any packages that Broadway SF or other building personnel signs for on behalf of the company.

PETS

No personal pets of any kind (including support animals) are allowed backstage, other than documented service animals that are providing an actual service for the individual. This has been established for the health and safety of all those backstage, including the pets. Various pest control devices in the backstage area could pose a threat to pets that are brought in.

SMOKING

The theatre is a non-smoking facility. This is in accordance with San Francisco law. Violations will result in fines. Any fines received by the theatre due to company violations will be billed to the company. If you smoke, please do it outside the stage door, at least 15 feet from the stage door and other commercial entrances (per San Francisco ordinance). Please do not smoke in exit passageways with doors propped open or in the outer/box office lobby. **Also, absolutely no smoking is allowed in the alleyway between the theatre and the office building (known as Pigeon Alley).**

GARBAGE / RECYCLING / COMPOST

A dumpster will be rented at the touring company's expense if decking, scenery or other, large quantities of debris are to be disposed of at the time of load out.



San Francisco has strict garbage/recycling/composting laws. Please be aware of appropriate compost containers and recycling containers, which should be clearly labeled. If you have any questions regarding this, please contact the House Manager.

FRONT OF HOUSE MERCHANDISING

There is limited merchandising space in the main floor lobby area, as well as the mezzanine and balcony lobby areas. Advance planning is always wise. State and local fire laws limit locations. Patron traffic accessibility is a priority. Hard-wired ports and electrical service can be activated where required.

STORAGE

There is no available storage space at the Orpheum Theatre. Please contact the House Manager if you have questions regarding storage.

CHEMICALS AND SPRAY PAINT

Per State Law, there is no use of hazardous chemical or spray painting inside the theatre. Spraying of any kind must be done in the specially designed spray booth in the shop. Per our negotiations with the Wardrobe Union (Local #784), there is no use of any chemicals in the wardrobe areas. In addition, there is no use of any shop equipment (such as saws) that may cause extreme noise or leave debris on costumes during the performance. Please see a Department Head for access to the shop during non-performance hours.

FIRE DEPARTMENT

In San Francisco, the Fire Department is very strict and they often make spot inspections three (3) minutes before a show. Please make sure that you have not hung anything on overhead steam or sprinkler water pipes, blocked off fire hoses, sprinkler valves or extinguishers and most important of all, do not use backstage exit hallways for quick changes or road box storage.

REHEARSAL SPACE

There is no rehearsal space in the theatre. See the Rehearsal Space listing below for rental spaces around the theatre and in the vicinity:

War Memorial Opera House http://sfwmpac.org/operahouse/oh_index.html
401 Van Ness Avenue (415) 554-6317
Contact: James Baldocchi, james.baldocchi@sfgov.org

Lines Ballet <http://www.linesballet.org>
26 Seventh Street (415) 863-3040
Contact: Jamie Wright

American Conservatory Theatre <http://www.act-sf.org>
 30 Grant Avenue (415) 439-2405
 Contact: Hannah Cohen, hcohen@act-sf.org

Rhythm & Motion Dance Center www.rhythmandmotion.com
 351 Shotwell Street (415) 863-9830

Odd Fellows Building
 26 7th Street (415) 861-1737

42nd Street Moon (MoonSpace) <http://www.42ndstmoon.org>
 250 Van Ness Avenue (415) 255-8207
 Contact: Annette Lai

San Francisco Conservatory of Dance <http://www.SfconservatoryofDance.org>
 301 Eighth Street (415) 640-9781
 Contact: Erin Craig, Erin@SfconservatoryofDance.org

THEATRE PARKING

There is no parking provided for any cast & crew members, including star limos. There is a parking lot across the street from the Theatre at the Trinity Plaza apartments, (the entrance is on 8th Street), and a parking garage in the Bei Hotel, also on 8th Street. It is the responsibility of the company to make any parking arrangements, in person, with the lot attendants upon your arrival.

Additional big rig parking (10 to 12 tractor trailers) can be coordinated with the teamsters*. Neither buses nor trucks may be left overnight at the Theatre.

**Please contact the House Carpenter or House Manager for information about scheduling teamsters.*

PARKING NEAR THE ORPHEUM

BEI Hotel SF 50 8 th Street (between Market & Mission) <i>* Can buy monthly parking</i>	(415) 626-6103	0.1 miles
Trinity Place 33 8 th Street (between Market & Mission)	(844) 660-1824	0.1 miles
California Parking, californiaparking.com 1266 Market Street (between Hyde & Grove)	(415) 468-4860	0.1 miles
798 Stevenson Street 798 Stevenson Street6 (off 8 th Street)	(415) 535-7210	0.1 miles
SOMA Grand, sanfrancisco.centralparking.com 1160 Mission Street (between 7 th & Julia)	(415) 431-8800	0.2 miles

City Park Fox Plaza 1390 Market Street (@ Hayes)	(415) 495-3909	0.2 miles
UC Hastings Parking Garage, 376 Larkin Street (between McAllister & Golden Gate)	(415) 355-9618	0.2 miles
Civic Center Plaza Garage, civiccentergarage.com/ 355 McAllister Street (between Dr. Carlton B. Goodlett & Larkin)	(415) 863-1537	0.2 miles
California Parking, www.californiaparking.com 645 Minna Street (between 7 th & Julia)	(415) 776-8060	0.2 miles
California Parking, www.californiaparking.com 625 Minna Street (between 7 th & Julia)	(415) 776-8060	0.2 miles
Central Parking System 99 Golden Gate Avenue (@ Jones)	(415) 863-1380	0.2 miles
City Park SF Mart 1355 Market Street (between 9 th & 10 th)	(415) 865-0745	0.2 miles
Turquoise Parking 64 Golden Gate Avenue Garage (@ Jones) <i>Can buy monthly parking with in-and-out privilege</i>	(415) 674-5100	0.3 miles
Turquoise Parking 67 Turk Street Garage/Lot (@ Mason)	(415) 674-5100	0.4 miles
6X6 Garage, www.propark.com 945 Market Street (between 5 th & 6 th)	(415) 495-1142	0.4 miles
Market Square Garage, www.propark.com 846 Jessie Street (between 9 th & 10 th)	(415) 861-2280	0.4 miles

COMPANY/HOUSE SEATS

All company seats are handled by the venue treasurer. Occasionally the presenter's executive office receives calls from outside vendors asking for the name & number of the company manager. We do not give out the number. A message will be taken and forwarded to the company manager and he or she can decide whether to return the call.

TICKETING SYSTEM

Single Ticket Sales, Group Sales & Membership Sales are handled by BroadwaySF's Audience Services Center, located at 1182 Market Street, 4th Floor. The phone number is (888) 746-1799.

DISCLAIMER

Information provided in this packet is intended for the private use of touring production companies, artists and crew to help facilitate the adjustment into the San Francisco area. It is not intended for public use. All lists provided have been compiled from recommendations by other area performing organizations and/or touring production companies. Any medical, hotel, restaurant, parking, additional services, shopping, and attraction recommendations are not affiliated with BroadwaySF or with any of its theatres in any way. There is no guarantee that the information provided will meet with required needs and company members should call the individual service providers to confirm services, hours and location.

This information was updated in March 2025, and all information is subject to change. Please contact Kim Fisk, Director of Production for BroadwaySF, at (415) 551-2054 or kimfisk@atgentertainment.com if you find any outdated or modified information. Thank you!

Additional Resources Available, Including Union CBAs

Go to - www.broadwaysf.com/operations/

APPENDICES:

SOUND PACKAGE SPECS	appendix A
LIGHTLIGHTING PACKAGE SPECS	appendix B
FLOOR PLANS	appendix C

ORPHEUM THEATRE

TECH APPENDIXX

as of November 2024

APPENDIX A

SOUND SYSTEM

Package Does Not Live In House - Please Verify Availability

Meyer Ultra X40

(1) Center Orch Proscenium Truss

Meyer Ultra X42

(1) Center Mezz Proscenium Truss

Meyer UP-4 Slims

(5) Front Fills

(6) Orch Delays Ring 1

(6) Orch Delays Ring 2

(2) Orch Sidefill

(2) Mezz Sidefill

Meyer Arrays

(22) Lina

•(4) Groundstack

•(7) Flown HL/HR

Meyer 750LFC

(2) Subs - Floor HL & HR (or Deck SL & SR)

Meyer Galaxy Processing 816/408

Yamaha DM7C 72-channel Digital Mixer- Sound Board

APPENDIX B

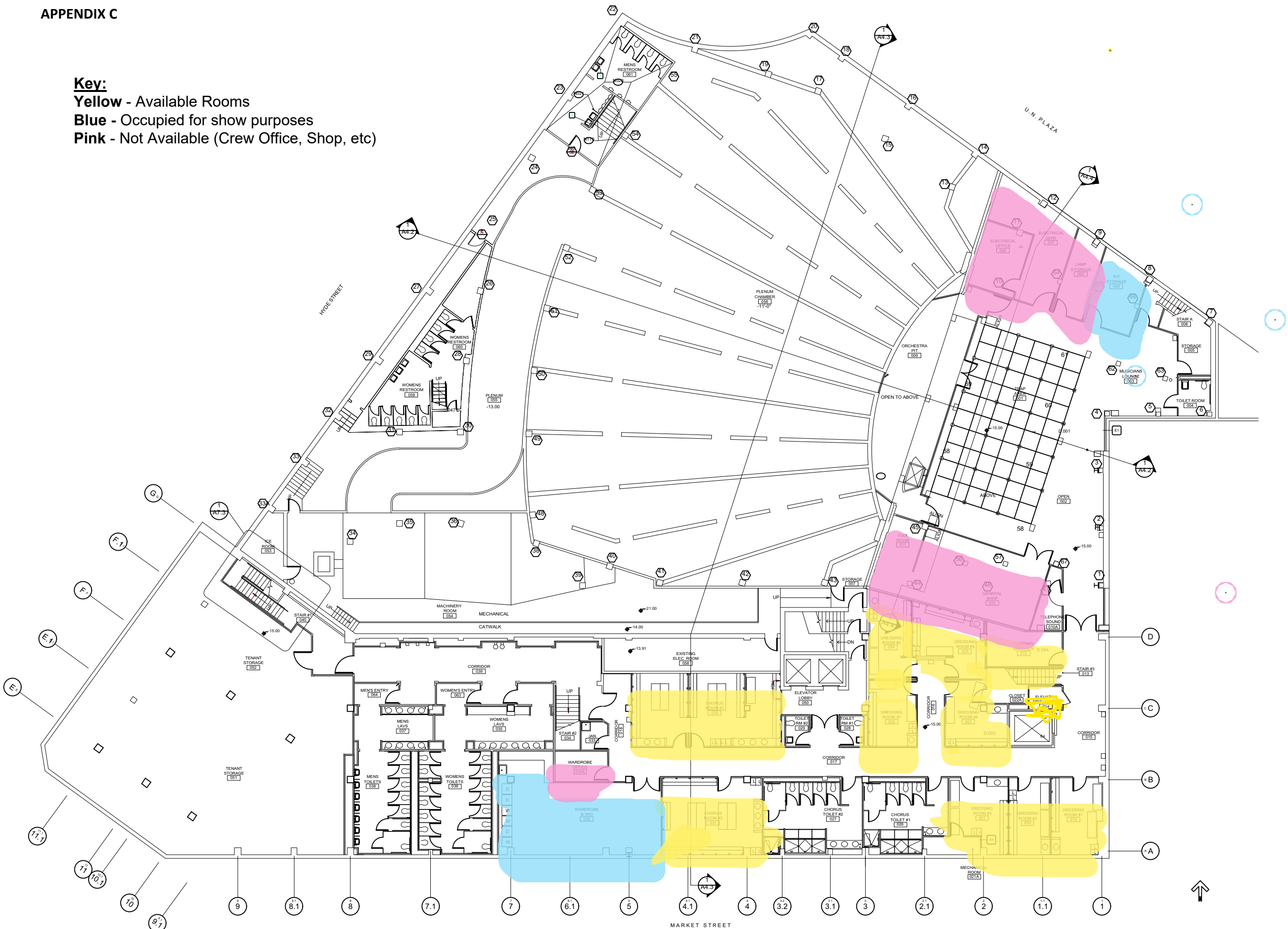
LIGHTING PACKAGE

Package Does Not Live In House - Please Verify Availability

ETC GIO @5 4K 8 universe with 4.096 Outputs/ Parameters

- Touch screen Monitor
- 24x2k Sensor Pack
- 36 way 110/220v PD Rack
- 12 - ETC Source 4 – 19 degree w/top hat
- 6 - ETC Source 4 – 26 degree w/top hat
- 10 - ETC Source 4 Series 3 LED Lustr's with Power con to stage pin connectors
- 4 - 19 deg lustr barrels
- 4 - 26 deg lustr barrels
- 2 - 36 deg lustr barrels
- 8 - High End/ETC Lodestar UltraBrights
- 12 - Mac Aura XPL's with case
- 8 - Color Force II 72's
- 2 - Follow Spots
- 2 - water based Hazers
- Cable and Distro Package

Key:
Yellow - Available Rooms
Blue - Occupied for show purposes
Pink - Not Available (Crew Office, Shop, etc)



- PLEASE NOTE**
- This drawing is the property of Ambassador Theatre Group and they reserve the copyright. The drawing is issued on the condition that it is not copied, reproduced, retained or disclosed, in whole or in part, to any unauthorised person without consent in writing from Ambassador Theatre Group. Ambassador Theatre Group shall have no responsibility for any use made of this document other than for that which it was prepared and issued.
- Figured dimensions are to be taken in preference to those scaled. The contractor is to verify all dimensions and conditions on site.
- All elements of this drawing are to be set out by contractor and to be approved by Ambassador Theatre Group prior to any implementation.
- GENERAL NOTES**
1. All aspects of this drawing are subject to a full site survey and preparation of full setting out drawings by the Main Contractor. Any major discrepancies to be discussed with Ambassador Theatre Group Design team prior to manufacture of any components. All areas where heights are critical, are to be surveyed and setting out drawings prepared at the earliest opportunity.
 2. All dimensions relating to suppliers or sub-contractors must be checked and agreed between Main Contractors and suppliers / sub-contractors.
 3. This drawing represents design intent only. Specialist sub-contractors are responsible for the accurate, safe and 'fit for purpose' execution of all issues under their domain. Overall responsibility for implementation lies with the Main contractor. All variations which may be the result of technical safety requirements must be discussed with Ambassador Theatre Group Design Team prior to implementation. Where variations are necessary, profile of original design intent must be maintained or alternative proposals submitted to Ambassador Theatre Group for consideration.
 4. Contractors to ensure all details are commensurate with structural stability.
 5. All details are to conform with relevant statutory requirements.
 6. All electrical installation to comply with current industry regulations and good practices.
 7. All design profiles to be maintained in detailing and manufacturing.
 8. For information on graphics / signage please refer to separate graphics package where available.
 9. Drawings to be read in conjunction with standard site drawing package.
 10. Drawings to be read in conjunction with separate specification documents and Scope of Works documents where relevant.
 10. If in doubt, ask, consult or advise. Please do not assume.

Rev	Description	Date	By

Status
FOR INFORMATION



AMBASSADOR THEATRE GROUP
115-119 Shaftesbury Avenue
London
WC2H 8AF
United Kingdom
www.atgtickets.com

File Location
M:\HeadOffice\Property\00 Venues\02 US\ORP - Orpheum, SF
\Drawings

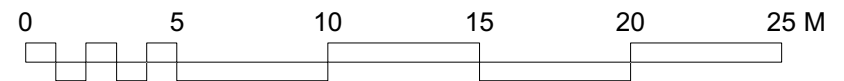
Address
ORPHEUM THEATRE
1192 Market St,
San Francisco, California
94102, USA

Title
BASEMENT LEVEL GA PLAN
AS EXISTING

Drawn by	Checked	Date
MD		20.05.2021

Project	Level	Drawing	Revision	Scale
ORP2105 - BF - 1000	--	--	--	1:250 @ A3 1:125 @ A1

Yellow - Available Rooms
Blue - Occupied for show purposes
Pink - Not Available (Crew Office, Shop, etc)



Ground Floor GA Plan As Existing
Scale: 1:250

Drawn by MD	Checked	Date 20.05.2021
Project ORP2105 - 1F - 1001	Level Drawing --	Revision 1:250 @ A3 1:125 @ A1