



Terrace Theater Technical Information

9/1/12

Theater Contacts

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Terrace Theater General Information - 9/1/12

FACILITY INFORMATION

OUTER LOADING DOCK

	Length/Depth	Width	Height	Capacity
Outer Dock	10'	42'	3'7"	
Leveler	28'	10'1"		22,000 lbs gross wt.

- The dock has space for two or three trucks.
- (1) truck leveler is available and is capable of lowering 12" below grade or 3'7" above grade.
- Interstate tractors with 53' trailers sometimes have "bottoming out" backing onto the dock.
- The Center Theater shares the loading dock.

INNER LOADING DOCK

	Length	Width	Height
Inner Dock	40'	30'	22'
Outer Roll-up Doors		13'6"	17'8"
Upstage Elephant Doors		10'11"	20'
Downstage Elephant Doors		7'8"	20'
Elevator - Car	9'2"	6'	8'9"
Elevator – Door Opening		5'9"	7'
Elevator – Handrail on Center			32"
Lobby Access – Dock Doors		5'	10'
Lobby Access – House Doors		4'7-1/2"	9'7"

- The outer dock opens through (2) roll-up doors to the inner dock. Access to stage left from the inner dock is through an upstage and downstage set of "elephant doors".
- A freight elevator located in the inner dock accesses the level containing chorus dressing and wardrobe rooms.
- No padding is required for this elevator.
- A small ramp leads to a set of double doors that access the lobby for road case access to front of house.

STAGE MEASUREMENTS

ON STAGE MEASUREMENTS

All measurements are taken from the centerline and upstage of the smoke pocket/fire curtain line.

Location	Distance	Location	Distance
Proscenium Height (at proscenium)	29'2-1/2"	Center Line to Fly Rail Stage Right (clear)	67'3"
Proscenium Height (at sound enclosure)	28'8"	Center Line to SL Elephant Doors (clear)	70'1"
Proscenium Width at Top	61'2"	Center Line to SR Fly Floor Overhang	55'
Proscenium Width at Bottom	66'1"	Center Line to SL Fly Floor Overhang	46'6"
Plaster Line to Back Wall	47'1/2"	Grid Height to Working Surface	84'9"
Plaster Line to Upstage Right Column	35'3"	Pipe Out Trim	79'6"
Plaster Line to Upstage Left Column	35'4"	Stage Height	3'6"
Plaster Line to Front of Stage @ Center	5'7"	Stage Floor to SL Pin Rail (clearance)	29'1"
Plaster Line to First Available Batten	3-1/2"	Stage Floor to SR Pin Rail (clearance)	29'6"
Plaster Line to Last Available Batten	35'1"	Smoke Pocket	1'1"

MEASUREMENTS TO THE HOUSE

Measurements are taken at the stage floor from the centerline, upstage of the smoke pocket/fire curtain line except as indicated with (*).

Location	Distance	Angles, if available
Plaster Line to Row 1	24'	
Plaster Line to Row 13 (production table)	66'	
Plaster Line to Row 20 (loge overhang)	80'-6"	

Terrace Theater General Information - 9/1/12

Location	Distance	Angles, if available
Plaster Line to Sound FOH (operator)	113'-6"	
Plaster Line to Rear Wall of Orchestra	122'	
Plaster Line to Slot Lighting Position	4'	
Plaster Line to Sound Slot Position	9'	
Plaster Line to Orchestra Slot Position	25'	
Plaster Line to Cluster Holes Position	14'-10"	
Plaster Line to Ante Pro Rig	37'-6"	
Plaster Line to Box Booms 1	64'-7"	59.6 degrees
Plaster Line to Box Booms 2	78'-2"	52.9 degrees
Plaster Line to Ante Pro (angle)	60'-10"	53.4 degrees
Plaster Line to Balcony Rail	105'-1"	17.5 degrees
Plaster Line to Followspot Booth	126'-11"	23.5 degrees
Loge Projection Area (in front of seating)	95'-6"	
Balcony Projection Area (old mix booth)	110'	
Cable runs to sound mix area	250'	

CABLE RUNS TO HOUSE

There are (2) cable troughs that run through the walls for cable access to FOH sound and lighting consoles. There is (1) trough stage left and (1) trough stage right. Each run is 250' long from the downstage edge of the proscenium to the center rear of the orchestra seating section. The production is responsible for all cable runs to the house. Running cable through the seating sections is not allowed.

STAGE FLOOR

The stage floor is a 1-1/4" tongue and groove pine "sprung" dance floor. It is covered with black painted 1/4" hardboard. Lagging or screwing into the floor is permitted, however all holes are the responsibility of the production. There are no traps in the floor.

ORCHESTRA PIT

The orchestra pit separates into three curved hydraulic lifts. The lifts can be run independently and are infinitely adjustable within travel limits. There are four (4) positions with positive stops that are automatically self-leveling. There is space for approximately 60 musicians with the lifts at the pit level.

Measurements	Wide	Deep
Pit A Section	40'	5'6"
Pit B Section	56'6"	5'6"
Pit C Section	66'	5'6"
Pit Under Apron to Back Wall	64' at widest	16'

Automatic Self-leveling Positions	Level	Distance Below Stage
Lower Pit Level	1	9'-2"
Upper Pit Level	2	7'-2"
Auditorium Level	3	42"
Stage Level	4	

ORCHESTRA SHELL

The orchestra shell consists (1) rear wall, (6) sidewalls and (3) ceiling sections. The rear wall and ceiling sections are hung on dedicated linesets that are permanent and cannot be removed. The sidewalls typically store upstage of the last useable lineset. The sidewalls can be stored offstage right and left if the upstage area is required for production use. Due to their size and weight the sidewalls cannot leave the stage area.

Terrace Theater General Information - 9/1/12

ELECTRICAL AND LIGHTING INFORMATION

ELECTRICAL POWER

Lighting & Motor Power Stage Right

- (2) 600-amp 120/208 volt, 3-phase service disconnects with 600 amp circuit breakers upstream. Each disconnect is fitted with three female "cam-lok" type connectors on each leg, and 4 neutrals and 4 grounds. (2 male & 2 female.) Neutral & ground turnarounds are available. **No more than 400 amps may be connected to any one hot or neutral connector.**
 - The #2 600 amp service has a 100 amp 120/208 volt disconnect wired after the circuit breaker, and before the disconnect. It is fitted with one set of 5-wire "cam-lok" type connectors with neutral and ground reversed, and a CS-8364 50 amp connector. Downstream of this disconnect are both an L21-30 and L16-30 connector protected by a 30 amp 3 pole breaker. These connector options are provided for your convenience and may not be all used at once.

Sound Power, Stage Left and FOH

- (1) 200 amps 120/208 volt, 3-phase disconnect fused at 200 amps. (2) sets of "cam-lok" type connectors, neutral and ground reversed. (Neutral and ground turnarounds are available.)
- (2) 60 amp 120/208 volt, 3-phase fused at 200 amps. (2) sets of "cam-lok" type connectors, neutral and ground reversed. (Neutral and ground turnarounds are available.)
- (1) 20 amp 120/208 volt, 3-phase "trade show" style receptacle breakered at 20 amps per circuit. Used to distribute A.C. power through stringers that break out to two "household" duplex receptacles per circuit. Multiple stringers may be connected together as long as the total load per circuit does not exceed 20 amps.
- (3) 20 amp 120 volt "household" type duplex receptacles breakered at 20 amps each are provided for your convenience at the sound power distribution panel.

Followspot Power Lighting Booth

- (4) 30 amp 208 volt single phase circuits are available for use by our follow spots or touring shows that bring their own. These circuits terminate in L6-30 connectors.

Loading Dock Power

- (3) 200 amp 120/208 volt, 3-phase service disconnects with 200 amp circuit breakers upstream. Each disconnect is fitted with one set of "cam-lok" type connectors, with neutrals and grounds reversed. Neutral & ground turnarounds are available.
- (2) 100 amp 120/208 volt, 3-phase pin and sleeve connectors with 100 amp 3 pole breakers upstream. These connectors are typically used for "shore power" connection of tour busses and remote trucks. These connections can be further broken down into standard household type outlets for catering and other uses by the installation of our temporary "trade-show" distribution panels.

DIMMER CONTROL

A road board via a DMX-512 patch can control all of the house dimmers including the house lights. This patch is located stage right near the 600 amp disconnects and at the rear of the house near the sound mix position. Two additional DMX drylines go between stage right and the rear of the house. The house dimmers are (124) Kleigl 12kw R80 dimmers with digital cards, patchable through a slider patch bay.

HOUSE CIRCUITS

All house circuit connections are 20 amp, 60 amp, or 100 amp stage pin. All onstage house circuits are drop cable from the grid. (6) circuit Socapex. Breakouts are available. (180) 20 amp circuits total. All FOH circuits are accessible via the road transfer patch located DSR pin rail level. Connections are 20 amp or 60 amp stage pin.

HOUSE CONSOLE

The Terrace uses and ETC Insight 3 Lighting Console with 108 submasters with bump buttons.

The console has three possible locations; by the sound console at the rear orchestra level, backstage, or the followspot booth.

FOLLOWSPOTS

(4) Strong Gladiator II 2500 watt Xenon Followspots from the lighting booth are located above the balcony level. They shoot through angled glass. These units are fixed and cannot be used in another location, as they are custom fitted to our light booth. They are for theatrical use only. Rental followspots for production and/or video use is strongly recommended.

HOUSE LIGHT PLOT

Available on request.

Terrace Theater General Information - 9/1/12

SOUND INFORMATION

HOUSE SOUND CONSOLE & MIX POSITION

The house mix location can be found at the rear of the orchestra seating level 113' 5" from the plaster line. While the booth is under the Loge overhang, the line of sound is not obstructed when the engineer is seated. Measurements are 12' deep, 8' 2" wide with a 3' 5" wall. The booth, as well as all its equipment, is a permanent construction and cannot be removed nor modified. Please see "Interfacing With Touring Shows" for guest console placement.

- Yamaha PM-5D/RHv2 Digital Mixer fitted with (2) Yamaha MY-8AE cards and 1 MY-AT16 card. (48) inputs, (24) mix outputs, (2) stereo main outputs, and (8) matrix outputs. Certain outputs are dedicated to our speaker zones. Please see "Interfacing with Touring Shows" for those specific assignments.
- 3 Dolby Lake Processors for speaker processing
- Playback/Recording Devices provided for your convenience at FOH
 - (2) Numark MP102 MP3/CD players
 - Tascam MD-301 minidisc deck
 - (2) Alesis Masterlink HDD/CD recorders
 - Numark IDEC iPod dock. (Enables you to record directly to your iPod)

SPEAKER SYSTEMS

Main Arrays:

- (10) JBL 4889-1 Vertec Speakers (5 per side)
- Powered by: (6) Crown ITech 4000 amplifiers and (3) Crown ITech 6000 amplifiers
- 42,000 watts RMS

Subwoofers:

- (8) JBL 4880A Extended LF Subwoofers (4 per side)
- Powered by (4) Crown ITech 8000 amplifiers
- 32,000 watts RMS.

Out Fills:

- Up to (6) JBL SRX-722 speaker systems on stage deck.
- Powered by (1) Crown ITech 8000 and (1) Crown ITech 4000 amplifier
- 12,000 watts RMS

Front Fills:

- (8) JBL AC-26 speaker systems across stage lip.
- Powered by (1) Crown ITech 4000 amplifier
- 4,000 watts RMS

Total system power: 90,000 watts RMS

STAGE MONITOR SYSTEMS

Standard Monitor System

Passive stage monitor mixes controlled from the house sound console.

- (2) JBL SRX-712M monitor wedge speakers
- (4) mixes powered by (2) Crown ITech 4000 amplifiers
- 2,000 watts RMS per mix

On-stage Monitor System

When a more complex system may be required, a separate onstage monitor mix set-up (with an additional operator.) is usually available.

- There is a 48 channel 3-way splitter for mains, monitors, and recording.
- Yamaha M7CLv3 Digital Mixer. (48) inputs, (4) stereo inputs, and (16) mix outputs.
- (17) Meyer UM-1 monitors (16 plus an operator's cue wedge.)
- (2) Flag Systems 215 "Tycobrahe era" side fills consisting of 1-15" JBL and 1-15" McCauley LF driver each, and a JBL 2445 HF driver on an Emilar EH-500 Horn.
- (2) Drum fills rigs consisting of (1) Meyer USW subwoofer and (1) Meyer UPA-1 speaker.
- (12) mixes powered by Crest 4801's and Crest 7001's.
- 1,195 watts RMS per mix.

Terrace Theater General Information - 9/1/12

MICROPHONE LOCKER

This roster will give you an idea of the microphones that we have for use in the theaters. Since we service multiple venues, not all microphones will be available at all times. Please contact the *production manager* with your specific requirements.

AKG	C-414B/ULS, C-460 with CK-1 capsules, C-535EB, D-112
Audio Technica	AT-815b, AT-851
Audix	D-90
Beyer	M-160 Ribbon
Crown	PCC-160
D.I.'s	17 of various makes, both active and passive.
Electro Voice	RE-16, RE-20
Sennheiser	E604, E609, MD-735
Shure	SM-57, SM-58, SM-81, Beta 52, Beta 57, Beta 58, Beta 91, Beta 98

INTERFACING WITH TOURING SHOWS

Touring consoles at FOH will be located next to the permanent FOH position, to the house right side. Row 28 of the orchestra seating level in on removable skids and can be configured to your needed width. Automatic seat kills for productions in Row 28 are seats 21-28 and 39-46. After move in, it will be determined if any of these seats can be made available.

When using the house sound console for your production, certain outputs cannot be re-patched or moved. Please download one of our templates from the website.

Touring shows can access all components of the sound system from either FOH or backstage left. All connections are analog XLR. All inputs are at line level except dressing room page, which is at mic level. Inputs are as follows:

- Array Left
- Array Right
- Subwoofers
- Out Fill Left
- Out Fill Right
- Front Fill & Left
- Front Fill & Right
- Program To Infrared, Dressing Rooms & Video Monitors
- Dressing Room Page

HOUSE INTERCOM

Is all Clear-Com

- SB412A (4) channel main station
- (16) model 501 single channel belt packs
- (4) model 502 dual channel belt packs
- (10) single muff headsets
- (4) double muff headsets
- (4) wireless headsets (single channel, same channel)

PAGE AND CUE SYSTEM

Controlled from Stage Right, a Stage Manager page and program feed is sent to all dressing rooms and hallways.

VIDEO REINFORCEMENT

Equipment for video enhancement and effects are not part of our inventory. This includes projectors, projection screens, cameras, switching devices, and the like. All required video must be brought in from outside vendor(s).

Terrace Theater General Information - 9/1/12

RIGGING INFORMATION

FLY RAIL

The Terrace uses a single purchase system located SR stage level. Most arbors have a weight capacity of 1850 lbs. All pipes are schedule 40, 1-1/2" I.D. (7) pick points per pipe at 11'6" apart. The end 10'6" of each end of the pipe is removable. Side masking pipes are 25'0" long SL and 21'0" long SR. There are some permanently hung equipment that cannot be removed. Sheaves cannot be kicked in any direction. The sheaves, however, are under hung approximately 7' above the grid.

Linsets OC1 @ 7'3" to 8'7", OC2 @ 18'7" to 19'6", OC3 @ 28'4" to 29'3", OBW @ 34'1" have permanent symphony shell ceilings and back wall. Please see the Terrace Theater Fly Rail sheet for details.

There are 64 spot wheels for 5/8" rope.

RIGGING

- Rigging over the stage, upstage of the proscenium is available. Most rigging points are dead-hangs from either the main beams or the ribbons. 3" schedule 80 pipe is available.
- Grid height is 84'7". Most pipe out trims are 79'6".
- 2,000 lbs per point from main beams. Beams are 11'6" apart.
- 1,000 lbs per point from the ribbons using the house's schedule 80 pipe.
- There are 27 permanent rigging points located throughout the house, downstage of the proscenium line. These points can accommodate most production's front of house lighting trusses and sound clusters. A rig plot is available.
 - (9) one (1) ton rig points 3'4" down stage of the plaster line at the slot lighting position (over stage lighting truss and proscenium-side sound clusters).
 - (3) half (1/2) ton rig points at the sound trap position 8' down stage of the plaster line. (1) at centerline and (2) 1'8" off center.
 - (2) half (1/2) ton points 13'4" down stage of the plaster line and 3'0" off center. (Center sound cluster)
 - (4) one (1) ton points 21'6" down stage of the plaster line and 5'4" and 17'0" from the centerline (FOH lighting truss).
 - (5) one (1) ton points at the ante-pro lighting position. (3) of these are 33'0" down stage of the plaster line, (1) at center and (2) at 36'10" off center. The other (2) are 41'0" down stage of the plaster line and 7'0" off center (FOH lighting trusses).
 - (4) points are used for cable picks and special projection screen rigging.
 - (15) half (1/2) ton points upstage of the last usable lineset.

DRAPERY AND MASKING

Standard theater masking included at no additional charge.

- (1) Light Green Main Drape – 100% fullness, Guillotine only.
- (7) Black Borders – 10' high x 70' wide, Flat, 27oz IFR.
- (1) Black Border - 10' high x 70' wide, Flat, Velour.
- (1) Pair Black Legs – 32' high x 16' wide, Flat, 27oz IFR.
- (5) Pair Black Legs – 34' high x 20' wide, Flat, 27oz IFR.
- (1) Set Midstage Black in (4) panels each 34' high x 20' wide, 50% fullness, 27oz IFR.
- (1) Midstage Black Border – 12' high x 70' wide, 50% fullness, 27oz IFR.
- (1) Set Upstage Black in (4) panels each 34' high x 20' wide, 100% fullness, 27oz IFR.
- (1) Black Scrim – 36' high x 78' wide, Flat, Seamless, Sharktooth.
- (1) White Bounce – 36' high x 78' wide, Flat, Seamless Leno.
- There is some additional Black masking drapes for offstage masking.

Please refer to Terrace Fly Schedule for more detailed information.

Terrace Theater General Information - 9/1/12

BACKSTAGE INFORMATION

DRESSING ROOMS

Star Dressing Rooms

The Star Dressing Rooms are four private rooms at stage level designated Star 1-4. Rooms 1, 2, and 3 each have a private toilet and shower. Room 3 has been converted for someone in a wheelchair (meaning a large bath and shower). Room 4 is a small room used mainly as a conductor's changing room. These are located onstage right with access both USR and DSR. These are said to be "small" rooms.

Principal Dressing Rooms

Two rooms designated Star 5 and 6 that accommodate four persons each are located stage right one floor above stage level. There are stairs USR and DSR. Each room has toilet and shower facilities. There is NO elevator access to these dressing rooms.

Chorus Dressing Rooms

Two chorus rooms each designated as "men's chorus" or "women's chorus" are located one floor below the stage. Access is by stairs USR and through the dock USL. The freight elevator also services this area. These dressing rooms are adjacent to the Artist Entrance.

- **Men's Chorus** Accommodations for 27 persons with 7 washbasins and 5 showers.
- **Women's Chorus** Accommodations for 30 persons with 7 washbasins and 5 showers.

Green Room

The Green Room is located on the same level as the chorus rooms. It can be used as a large production office or pre/post show reception area. There is direct access from the green room to the East side lobby.

Other Dressing Rooms

There are two (2) chorus rooms and three (3) one person rooms that may be available for use. These rooms are connected to the Center Theater. If the Center Theater is not in use, these rooms can be made available. Please call for more info.

PRODUCTION OFFICES

There are no designated production offices available for use. Please use the listed dressing rooms or green room. Please call for info.

WARDROBE ROOM

There is one (1) wardrobe room for the Terrace Theater next to the women's chorus dressing room. The room has two (2) washers and two (2) 220v dryers. This room is small and should not be considered a workroom. There is also one (1) wardrobe room for the Center Theater. This room has one (1) washer and one (1) 220v dryer that may be available if the Center Theater is not in use.

INTERNET ACCESS

Wireless internet service is available through Smart City, our in-house provider. This service is available in the Terrace Theater Lobby, house, backstage, and dressing room areas. This service for Attendees is 256k/512k down. Please call for current rates. It is recommended that advanced internet requirements seek wired alternatives. There are several locations throughout the theater for a wired connection. To discuss your needs and associated costs, please contact the **Smart City Service Desk at (562) 499-7643**.

TELEPHONE LINES

Telephone lines can be run to almost any dressing room, production office, lobby, or stage location. This service is through our in-house provider Smart City. To discuss your needs and associated costs, please contact the **Smart City Service Desk at (562) 499-7643**.

HOUSE SEAT REMOVAL

House seats can be removed at the permittee's request. There will be a charge for each seat removed. This charge will cover the removal, storage, restore and possible damage to the seats. Please call for current charge. The seats in row 28 on the orchestra level of the Terrace Theater are on skids and can come out as needed in pairs of two at no charge over and above the time and labor to do it.