Scottsdale Center for the Performing Arts

# VIRGINIA G. PIPER THEATER TECHNICAL INFORMATION

arts scottsdale








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Scottsdale Center for the Performing Arts
7380 East Second Street
Scottsdale, Arizona 85251



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# I. CONTACT

## (A) Tech Advance & General Tech Inquiries:

| | | |
|---|---|---|
| Zach Ciaburri, Director of Production | 480-874-4628 | ZachC@ScottsdaleArts.org |
| Lauran Conran, Production Manager | 480-874-4681 | LauranC@ScottsdaleArts.org |

## (B) Technical Department Staff:

| | | |
|---|---|---|
| Grace Darling-Bond, Stage Manager | 602-853-2900 | GraceD@ScottsdaleArts.org |
| JJ Hansen, Technical Theatre Coordinator | 480-874-4619 | JHansen@ScottsdaleArts.org |
| Tyler Goddard, Head Lighting Engineer | 480-874-4623 | TylerG@ScottsdaleArts.org |
| Paige Guerrero, Artist Services Manager | 480-544-3434 | PGuerrero@ScottsdaleArts.org |
| Luke Jackson, Head Audio Engineer | 623-324-9450 | LukeJ@ScottsdaleArts.org |

## (C) Important Contacts:

| | | |
|---|---|---|
| Diandra Adamczyk, Programming Manager | 480-874-4672 | DiandraA@ScottsdaleArts.org |
| Laura Buterbaugh, Contract/Payments | 480-425-5348 | LButerbaugh@ScottsdaleArts.org |
| Beau Bisson, Talent Booker | 646-265-0344 | BBisson@ScottsdaleArts.org |
| Liz Laborin, Guest Experiences Manager | 480-874-4690 ext. 1801 | LLaborin@ScottsdaleArts.org |

# II. FACILITY

## (A) Virginia G. Piper Theater

- The Virginia G. Piper Theater is an 853-seat proscenium-style theater.
- Originally built in 1975, the stage and the house were renovated in 2009.

## (B) Stage Door

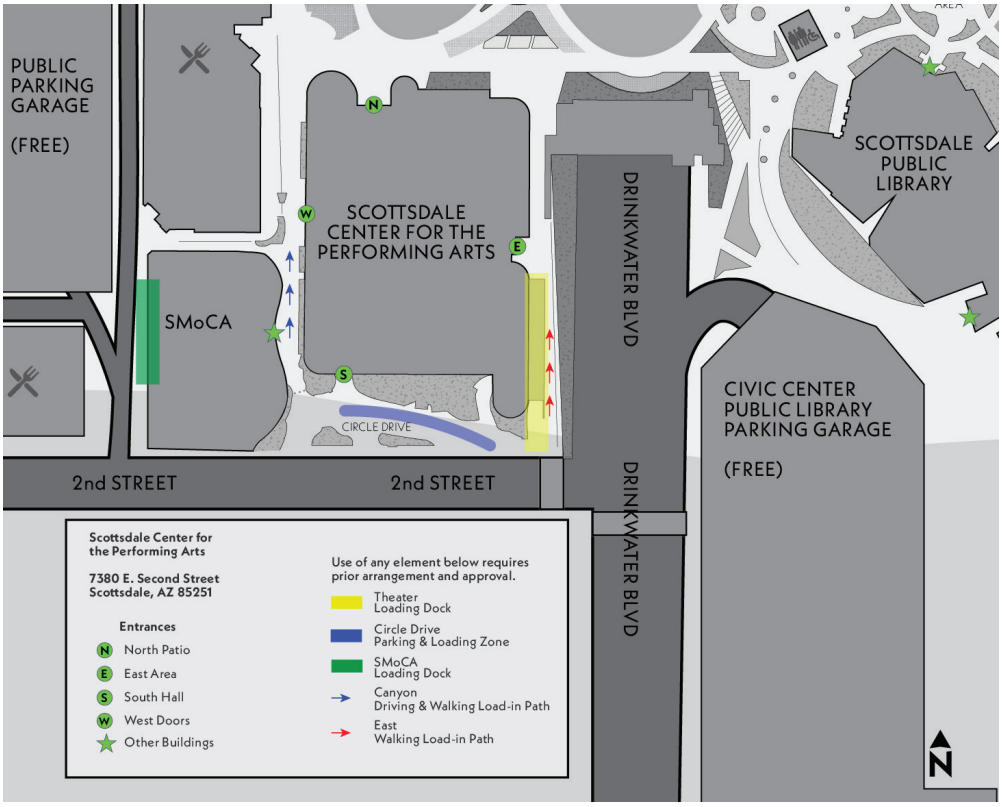
- The Virginia G. Piper Theater does not have a “stage door” proper. There is a secure backstage entrance located along Drinkwater Boulevard. See image below. Prior arrangements must be made for secure entry.
- Alternatively, the loading dock can be utilized for secure entry.

## (C) Loading Dock

- The loading dock for the Virginia G. Piper Theater is located on the northwest corner of Drinkwater Boulevard and Second Street.
- The loading dock entrance is a narrow, 300-foot-long tunnel at an approximate grade of 20 degrees. It can accommodate up to a single 53-foot truck.
- The dock is at a standard height of 3 feet x 5 inches.

## (D) Shore Power

- Two (2) 50-AMP connections are available for tour busses. Advance arrangement required for use; day of requests will not be accommodated.




Parking and Loading Diagram

# (E) LOADING DOCK

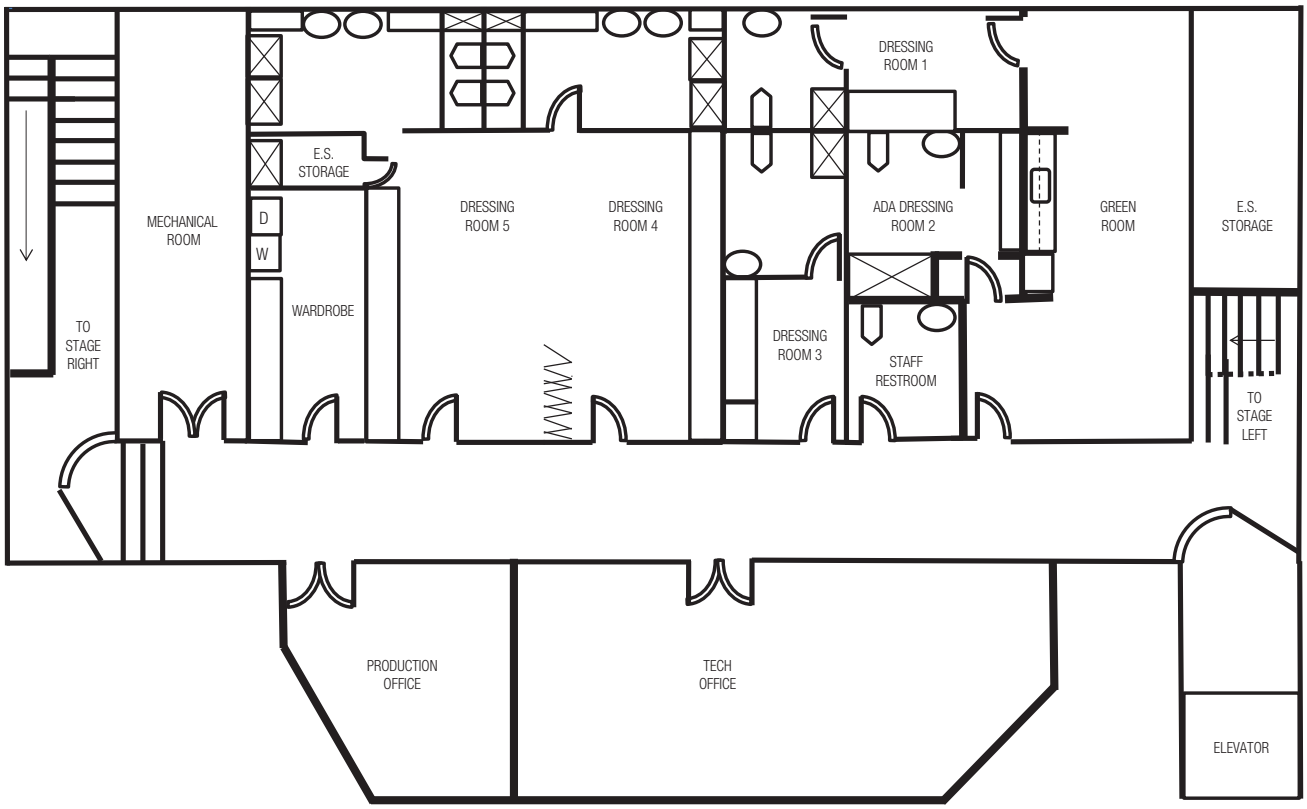
- Stage access for load-in and load-out is available upon arrangement with Scottsdale Center for the Performing Arts' technical staff.
- The loading dock is located at the northeast corner of Drinkwater Boulevard and Second Street.
- There is a locked gate at the top of the dock, opened upon request.
- The loading dock is able to accommodate only a single truck and is accessed by a long and narrow (260'L x 13'6"W) steep tunnel.
- The easiest way for large trucks to enter the loading dock is as follows (from Indian School Road):
  1. Head south on Drinkwater Boulevard, then enter the Drinkwater/Second Street intersection.
  2. Back into the loading dock angling at a northwest direction to get the truck and dock aligned, straight down.
  3. Maximum truck height is 14'. Dock height is 3'5" and dock door dimensions are 13'6"H x 12'W.
  4. The loading dock will accommodate up to a single 53' truck
  5. The tunnel is very steep with an approximate grade of 20 degrees.












## (F) Dressing Rooms

Dressing rooms are located on “A” level, which is one level below the stage. “A” level is accessible by stairwells on stage left and stage right and by the elevator on stage left.

| | | | | |
|---|---|---|---|---|
| #1 | Star | Max 3 persons | 1 Toilet and 1 Shower | 100 sq. ft. |
| #2 | Star | Max 3 persons | 1 Toilet and 1 Shower | 75 sq. ft. |
| #3 | Star | Max 3 persons | 1 Toilet and 1 Shower | 70 sq. ft. |
| #4 | Chorus | Max 12 persons | 2 Toilets and 2 Showers | 200 sq. ft. |
| #5 | Chorus | Max 12 persons | 2 Toilets and 2 Showers | 200 sq. ft. |

- “A” level dressing rooms are accessible to wheelchairs. For ease in access, dressing room #2 is recommended for occupants in wheelchairs and is outfitted for ADA compliancy.
- No more than 50 people are permitted on the dressing room level at any given time. This includes performers and all backstage assistors. This policy is enforced according to Fire Safety Code, established by the Scottsdale Fire Marshall.
- Dressing rooms #1 and #2 are accessed through the greenroom.
- Dressing rooms #4 and #5 can be separated by a movable partition creating one large room when convenient.
- Each dressing room is fitted with makeup tables with lighted mirrors and electrical outlets.

## (G) Greenroom

The greenroom is located on “A” level near the dressing rooms, which are one level below the stage. The greenroom is equipped with a small kitchen, including a refrigerator, a microwave, and a sink.

## (H) Wardrobe

- The wardrobe room is located on “A” level, which is one level below the stage. Our wardrobe room is small but contains one (1) washer and one (1) dryer that are available for use.
- We have two steamers, two irons, a hand sewing kit, and one sewing machine.

## (I) Stage Manager Position

- The standard stage manager position at the Virginia G. Piper Theater is located just off stage right. If operation for your show must be in a different location, prior arrangement should be made.

**The stage manager position is equipped with:**

1 Standing desk/workstation
1 Computer
2 Computer monitors
Monitor 1: full stage color, full stage infrared, house cams
Monitor 2: computer
1 Wireless communication
1 Backstage paging mic
Various spike and gaff tape

## (J) Tech Booth

- The technical booth at the Virginia G. Piper Theater is located in a standard position behind the last row of the audience.
- The technical booth is the standard operating position for the lighting console and our projectors.
- The technical booth can be accessed through an audience vestibule on house right.
- The technical booth contains a ladder to the follow spot booth.

## (K) FOH Mix Position

- The standard and only position is located at the back of the hall, uninhibited by any walls, windows, or overhangs.
- There is available space for touring consoles and gear. Advance notification is required.

## (L) Monitor Mix Position

- The standard monitor mix position in the Virginia G. Piper Theater is located off stage right.
- Due to limitations of space on stage left we do not advise its use as a monitor mix position. Advance notification is required.

## (M) Follow Spot Booth

The follow spot booth is located above the technical booth.

It is accessible via a ladder in the booth or by elevator and a short walk through the catwalks.

- 1 Lycian 1274 SuperStar 1.2S follow spot
- 1 Lycian 1275 SuperStar 1.2 follow spot
- 2 adjustable chairs with backs
- Optional 6 internal changeable gels
- Both chop or iris capabilities
- Telrad sites on each unit

## (N) Power Services

The Virginia G. Piper Theater has five (5) additional power services available.

Advanced notice is advised if you intend to use any additional power services.

| Location | Amperage | Termination | Status |
|---|---|---|---|
| FOH, South Portal | 200 AMP – 3 Phase | Camlock | Available |
| Down Stage Right | 200 AMP – 3 Phase | Camlock | Available, used for audio/video due to isolated neutral/ground |
| Off Stage Right | 200 AMP – 3 Phase | Camlock | Available, shared with house motor distro |
| USR Gallery | 400 AMP – 3 Phase | Camlock | Available, shared with house moving lx distro |
| HL Cat #1 | 100 AMP – 3 Phase | Camlock | Available, motor power |

## (O) Grand Piano

- The Virginia G. Piper Theater has one (1) Steinway Concert D Grand Piano available for use. The piano is in excellent condition and is used by world-class musicians throughout our season. The use of the grand piano requires advanced notification.
- We require the use of our contracted piano tuner for any piano tuning. We need three weeks' notice to schedule them.
- The piano can only be tuned to A=440.



# III. STAGE

## (A) General Information

The Virginia G. Piper Theater stage is 60 ft. wide x 30 ft. deep.
The standard leg opening in our venue is set to 40 ft. (20 ft. off center).
The stage floor is a sprung floor with no rake.

## (B) Crossover

Due to the limitations of depth on our stage level, the standard crossover for the Virginia G. Piper Theater is located one level beneath the stage. There are stairwells located on stage right and stage left, no more than 15 ft. from sight lines.

## (C) Orchestra Shell and Ceiling

The Virginia G. Piper Theater is home to a full orchestra shell including ceiling and walls. Due to the modular nature of this equipment, we have the option to create anything from a chamber shell to full stage symphony. Advance notification is required.

## (D) Marley Dance Flooring

The Virginia G. Piper Theater has two (2) options for Marley dance flooring: white or black.
All three options are able to cover the full stage.
Advance notification is required.



# IV. LIGHTING

## (A) Console



Primary: ETC Gio 4k with 2x40 fader wing
RFR: in house iPad for use with ETC RFR App
Note: The standard control is in the technical booth, other accommodations require advance notice.

## (B) Dimmers and Circuits

- The Virginia G. Piper Theater is equipped with a total of 512 dimmers.
- ETC Sensor+ Racks: DMX/ETC Net3 DMX compatible over ethernet

**FOH**

| Location | # of Dimmers | Location | # of Dimmers |
|---|---|---|---|
| Cat 1 | 36 | HR & HL Cove | 12, each |
| Cat 2 | 36 | HR & HL Box Boom | 15, each |
| Cat 3 | 36 | Balcony Rail | 12 |
| Cat 4 | 24 | | |

**STAGE**

| Location | # of Dimmers | Location | # of Dimmers |
|---|---|---|---|
| SR Gallery | 240, (40 multi drops) | DSL Wall | 6 |
| SL Gallery | 24, (4 multi drops) | USR Wall | 18 |
| DSR Wall | 6 | USL Wall | 18 |

## (C) House Lights

- The Virginia G. Piper Theater houselights can be controlled through various Paradigm panels located throughout the theater or controlled via lighting console.

## (D) House Lighting Plot

- The Virginia G. Piper Theater has a robust house lighting plot that is able to accommodate the majority of our productions without alteration. If your production requires alterations to the house plot advanced notification is suggested.
- PDFs and various draftings can be found by going to ScottsdaleArts.org/visit/venue-rentals and scrolling down to the “Stage Tech Specification” section.

# V. AUDIO

## (A) Main Theater Sound System



**FOH Console**

Yamaha CS-R5 Rivage PM5

**Left Array**

(8) L'Acoustics KARAi

(2) L'Acoustics SB18 Subwoofer

**Right Array**

(8) L'Acoustics KARAi

(2) L'Acoustics SB18 Subwoofer

**Center Array**

(4) L'Acoustics ARCS WIFO Wide

**Front Fills**

(8) L'Acoustics 5XT

- Our main theater sound system is powered by L'Acoustics X12 and X4 Amplified controllers. The system has been tuned by L'Acoustics. The systems tuning processors are not able to be modified.

## (B) Monitor System

**Monitor Console**

Yamaha CS-R3  Rivage PM3

**Monitor Inventory**

Monitors: 12 L-Acoustics X12s

Amplifiers: 3 LA4x amplified controllers

4 Meyer Sound UPA (Permanently flown stage left and stage right, 2 per side)

Bi-amp mixes (Crown Macrotech and Microtech amplifiers with dbx DriveRack Processing)

## (D) Audio Lines and House Snake

- 2 Yamaha RIO3224-D2 stage boxes.
- 1 Yamaha RPIO622 I/O rack.
- Main house snake is analog 40 inputs, 12 returns, 2 isolated transformer splits.
- Guest snakes and cables can be pulled through a tunnel/trough located stage right and received at FOH Mix Location. The distance is approximately 100 ft.

## (E) Wireless Microphone System

- 3 Shure AD4Q 4 Channel Receivers—12 Channels of Axient Digital Wireless
- 1 Shure AD600 Spectrum Manager
- 1 Shure AD610 Diversity Showlink Access Point
- 12 Shure AD2 Wireless Transmitters with SM58 Capsules
- 12 Shure AD1 Beltpack Wireless Transmitters
- VGP House Wireless System Operates in the G57 Band (470-616MHz)
- For additional wireless microphone capsules and lavaliers, please see our microphone inventory.

## (F) Microphone Inventory

- You can download the inventory list by by going to ScottsdaleArts.org/visit/venue-rentals and scrolling down to the “Stage Tech Specification” section.



# VI. VIDEO AND PROJECTION

## (A) Projector

- Barco HDXW12 12K Lumens
- Barco TLD+ Ultra Lens 0.8 - 1.16 R9801414

**Inputs**

DVI - I (HDCP including analog RGB YUV)

SDI/HDSDI/dual HDSDI/3G/Barco Link

*Use of this system requires advanced notice.

The use of projectors in the space requires seat kills. See diagram on last page for standard seat kills.

## (B) Projection Surfaces

**Permanent Roll-Drop Screen**

- Stewart Ultramatte 130 with Cineperf 27'9" W x 15'9" H (diagonal measurement: 32')
- Aspect Ratio 1.78:1

## (C) Presentation Video Playback System

- Our presentation video system can be set up either stage left or stage right to allow for operation of video from stage. Signal is sent to the control booth via an Extron HDMI-Fiber Extender.

**Standard Playback Equipment**

Roland V60HD Video Switcher
Roland V1HD Video Switcher
MacBook Pro with Touch-bar 15" 2018 Model
Dell XPS 9500 15" Laptop
Figure 53 Qlab, Microsoft PowerPoint, Apple Keynote
Bluetooth Remote Clicker
USB Remote Clicker
Black Magic ATEM Mini
Mac Books
1 Mac Book with M2 Pro Chip
1 Mac Book with M2 Chip

# VII. POLICIES

## (A) Labor

- The Virginia G. Piper Theater does not have contracted labor through the IATSE union, but we do follow general industry standards. Please note that these are guidelines and coordination with the venue production manager is essential. Due to the nature of our industry we require a minimum of six weeks' notice for labor needs.
- We take a meal break between 4–5 hours of work. At 5 hours, technicians must receive a meal break. The meal break can take the form of an unpaid 1-hour break or a 30 minute paid and catered break.
- It is venue policy to have a four-person crew minimum. This usually manifests as one (1) stage manager, one (1) audio engineer, one (1) lighting, and one (1) stage hand.
- It is venue policy that Scottsdale Arts technicians will be required to operate or supervise operation of any Scottsdale Arts-owned equipment.

## (B) Photography and Recording

- Policy: Photography, videography, and all other recording within Scottsdale Center for the Performing Arts' facilities are not permitted without the artist's and the Center's advance permission.
- The Virginia G. Piper Theater does not have the capability to provide a video archival.
- The Virginia G. Piper Theater does have the capability to provide an audio capture from the board, but advance coordination is necessary. This is not a paid service and thus we cannot guarantee quality or success of the recording.
- For any public performance or rehearsal with audience, camera positions are restricted to areas of non-egress and must conform to ADA accessibility laws and requirements.
- Camera positions require seat kills in the audience, thus requiring advance notice of at least two weeks of locations. All locations must be approved by Scottsdale Arts technical staff.

## (C) Sound Limits

- The Virginia G. Piper Theater enforces a maximum SPL limit of 99dBA measured from the FOH mix location. We find that our typical audience enjoys their experience in the theater with an SPL in the range of 85-95dBA.
- Scottsdale Arts production staff reserves the right to adjust overall program SPL in coordination with the artist.

## (D) Curfew

- Scottsdale Arts has a general curfew of midnight for artists, renters, and guests to be out of the building. Advance notification to the production manager can arrange for additional accommodation.

## (E) Pyrotechnics and Special Effects

- Advance notification is needed for use of any pyrotechnics or other special effects.
- Pyrotechnics are considered, but not limited to any flame (open or enclosed), including candles and incense, any explosive equipment or material, sparklers, fireworks, smoke, fog, cigarettes/cigars/pipes, or firearms.
- The Virginia G. Piper Theater has a strict policy against glitter, snow, sand, and helium balloons.
- Use of any pyrotechnic or special effect will require the use of posted signs for audience awareness.

## (F) Food and Beverage

- No food or beverage, other than water, is permitted on stage, backstage, or in the house.
- Per Arizona liquor law, it is unlawful to bring outside alcohol into our facilities.

## (G) Scenery and Props

- All scenery, props, and decorations must be fire-retardant. Documentation must be available.
- We do not have storage facilities and, therefore, may not be able to accept early delivery of equipment, nor can it be stored at the termination of the event. All scenery and equipment must be removed from the building immediately following the event.

## (H) Animals

- Service dogs and/or performance animals only please. Advance notification is requested.

## (I) General

- Blocking exits, fire extinguishers, and/or electrical panels is prohibited.
- Scottsdale Arts staff has the right to cease operation or production for any safety issues that may arise.
- Advance notification and coordination with production manager is required for all incoming productions and events.

# VIII. ARTIST SERVICES

- Scottsdale Arts has a full artist services department and can accommodate many needs. For coordination of needs please contact artist services.

# IX. SUPPLEMENTAL DOCUMENTATION

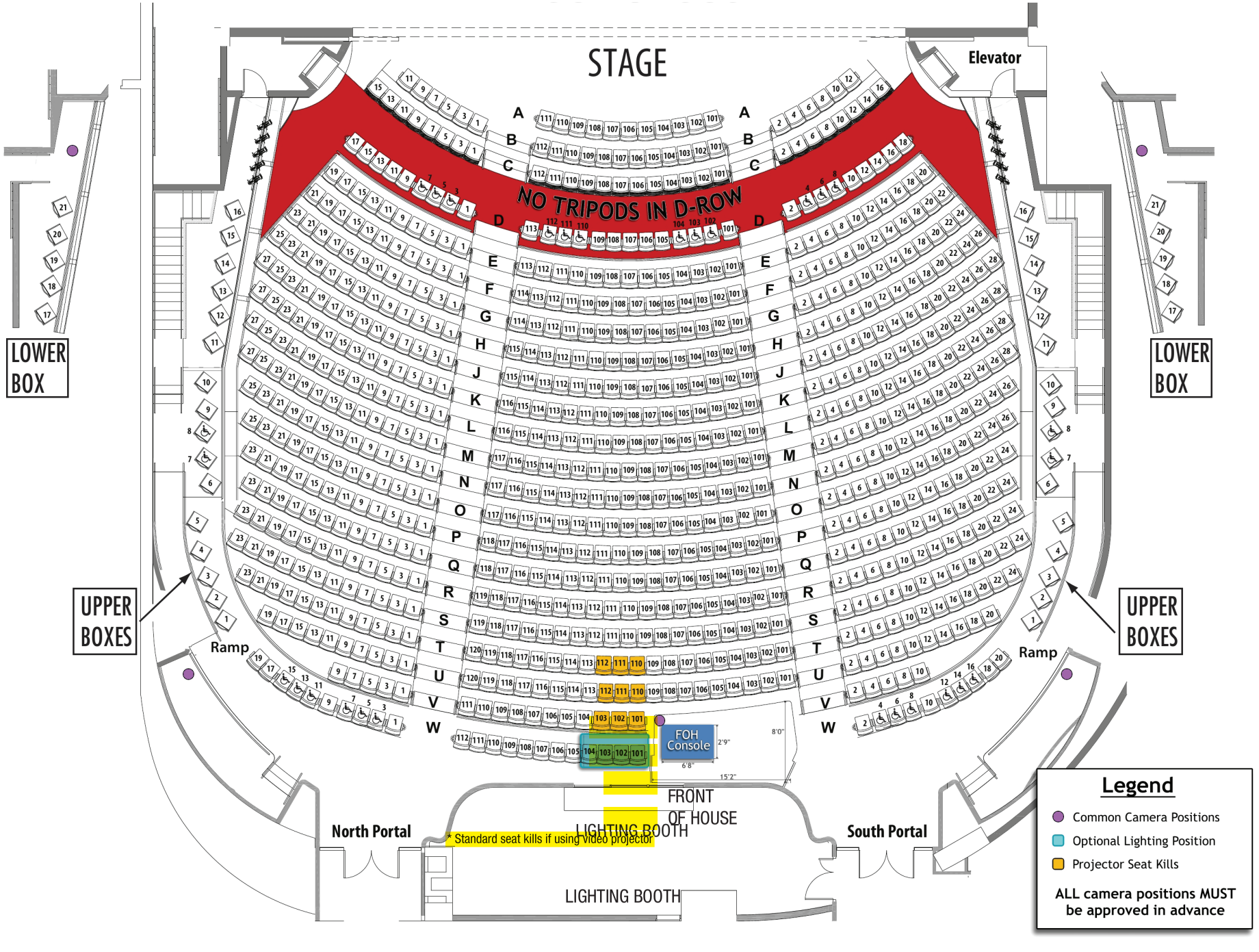
- For ease of use we have included the standard lineset schedule and seating chart within this document. For editable versions and further drawings, drafts, and documentation, please visit ScottsdalePerformingArts.org/TechSpecs.

# LINESET SCHEDULE

| # | Standard House Hang | Show Hang | FEET | METERS | WEIGHT (lbs) | Max Trim | Notes |
|---|---|---|---|---|---|---|---|
| * | Portal Legs | | -1'-0" | -0.30 | MAX | | |
| * | Portal Header | | 0' 5" | 0.13 | 1000 | 27'0" | Hard-framed header |
| * | Main Curtain - Motorized | | 1'-1" | 0.33 | MAX | | Braille Curtain |
| 1 | 1st Border | | 1'-9" | 0.53 | 600 | 27' 0" | 59'W x 5'H |
| 2 | 1st Legs | | 2'-5" | 0.74 | 400 | 7' 0" | 25'H x 10'W |
| | 1st Orch Shell - Motorized | | 3'-1" | 0.94 | MAX | | Cannot be moved |
| 3 | | | 4'-5" | 1.35 | | | |
| | 1st Electric - Motorized | | 5'-1" | 1.55 | | | Motorized Lineset |
| 4 | | | 5'-9" | 1.75 | | | |
| 5 | | | 6'-5" | 1.96 | | | |
| 6 | 2nd Border | | 7'-1" | 2.16 | 600 | 27' 0" | 59'W x 5'H |
| | 2nd Orch Shell - Motorized | | 7'-9" | 2.36 | MAX | | Cannot be moved |
| 7 | | | 9'-1" | 2.77 | | | |
| 8 | 2nd Legs | | 9'-9" | 2.97 | 400 | 7' 0" | 25'H x 10'W |
| 9 | | | 10'-5" | 3.18 | | | |
| 10 | | | 11'-1" | 3.38 | | | |
| 11 | 3rd Border | | 11'-9" | 3.58 | 600 | 27' 0" | 59'W x 5'H |
| | 3rd Orch Shell - Motorized | | 12'-5" | 3.78 | MAX | | Cannot be moved |
| 12 | 2nd Electric | | 13'-9" | 4.19 | | | |
| 13 | | | 14'-5" | 4.39 | | | |
| 14 | MS Traveler/3rd Legs | | 15'-1" | 4.60 | MAX | 7' 0" | 59'W x 25'H (bi-part) Cannot be moved |
| 15 | Roll-drop Screen | | 15'-9" | 4.80 | MAX | | Cannot be moved |
| 16 | 4th Border | | 16'-5" | 5.00 | 600 | 27' 0" | 59'W x 5'H |
| 17 | 4th Orch Shell | | 17'-1" | 5.21 | MAX | | Cannot be moved |
| 18 | | | 18'-5" | 5.61 | | | |
| 19 | | | 19'-1" | 5.82 | | | |
| 20 | 5th Border | | 19'-9" | 6.02 | 600 | 27' 0" | 59'W x 5'H |
| 21 | 4th Legs | | 20'-5" | 6.22 | 400 | 7' 0" | 25'H x 10'W |
| 22 | | | 21'-1" | 6.43 | | | |
| 23 | | | 21'-9" | 6.63 | | | |
| 24 | 3rd Electric | | 22'-5" | 6.83 | | | |
| 25 | | | 23'-1" | 7.04 | | | |
| 26 | 6th Border | | 23'-9" | 7.24 | 600 | 27' 0" | 59'W x 10'H |
| 27 | | | 24'-5" | 7.44 | | | |
| 28 | US Traveler/5th Legs | | 25'-1" | 7.65 | MAX | 7' 0" | 59'W x 25'H (bi-part) Cannot be moved |
| 29 | | | 25'-9" | 7.85 | | | |
| 30 | Cyc Electric | | 26'-5" | 8.05 | | | |
| 31 | | | 27'-1" | 8.25 | | | |
| 32 | | | 27'-9" | 8.46 | | | |
| 33 | | | 28'-5" | 8.66 | | | |
| 34 | | | 29'-1" | 8.86 | | | |
| 35 | Cyc | | 29'-9" | 9.07 | 800 | 27' 0" | 59'W x 25'H |

**NOTES:**

- This lineset schedule indicates typical House configuration. Advanced notification and clearance is required should changes be desired.
- **THIS IS NOT A FULL-FLY HOUSE.** Fly-system is **DOUBLE PURCHASE**. Maximum pipe weight is 1400lbs and maximum arbor weight is 2800lbs. Flying pipes out of weight is not acceptable. ALL battens max out trim or "grid" at 32'.
- Proper industry standard and rated rigging hardware is required for all scenery and items hanging overhead. SCPA has limited stock in hardware, please contact the Production Manager for coordination.


STAGE
Elevator
NO TRIPODS IN D-ROW
LOWER BOX
LOWER BOX
UPPER BOXES
UPPER BOXES
Ramp
Ramp
FOH Console
2'9"
8'0"
6'8"
15'2"
FRONT OF HOUSE
LIGHTING BOOTH
North Portal
South Portal
* Standard seat kills if using video projector
LIGHTING BOOTH
Legend
Common Camera Positions
Optional Lighting Position
Projector Seat Kills
ALL camera positions MUST be approved in advance