

Sarofim Hall Technical Specifications  
 Revised April 2026

**STAGE DIMENSIONS:**

Proscenium Height	40'
Proscenium Width	45'
Grid Height	80' to walking surface
Max trim of system pipes-	77'
Fire Curtain to Back Wall	54'
Stage Left Wing	57' w x 42' d
Stage Right Wing	29'-6" w x 54' d
Apron	4'-2" (from fire curtain)
Stage Height (from seating level)	3'-4"
SL Jump to CL	38'-10"
SR Mid-Rail to CL	48'-7"
Distance Deck to Bott of Mid- Rail & SL Jump Fluorescent Lts	33' - 7"
Deck to Pin Rails SL & SR	41' - 6"
Orchestra Pit Width	55'
Orchestra Pit Depth @ Center Line	9'-8"
Orchestra Pit Performance Position	8'-5" below stage level
Orchestra Pit highest Level	stage level
Orchestra Pit Lowest Level	24' below stage level
*The orchestra pit is on an electrically powered GALA Lift with 23,000 lbs capacity	
Distance from Pit Wall to Row 1	4'
Loading Dock to Stage Approximately	75'- 100'

**THEATRE CONDITION/RESTORE:**

The stage house is provided to the client in a “Clear” condition, with the exception of the Grand Valance, Grand Drape, “Quick Change Electric LS # 88. Full Black Drop, Split Black Drop and Projection Sheet (stored on linesets 93 thru 98) All other line sets are clear at load-in. House PA is typically not installed. Each performance is responsible for restoring “Clear & Clean“ condition at the completion of the load-out.

The House PA is installed DS of the Proscenium consisting of a Center Cluster and Arrays Left & Right.

**LOADING/PARKING:**

The loading dock is located at the end of the backstage parking lot (rear of building, enter from Walker Street). The loading dock is at Stage Level, and approximately 46” above the pavement level. There are (3) truck positions with hydraulic dock plates. (3) Loading bay doors (10’w x 20’h) provide access from the dock into an enclosed storage area (inner dock) off stage left. Passage from inner dock to Sarofim stage is 10’W X 20’H.

Freight elevator (8’ x 10’ x 7’5”h; 10,000lb capacity) is available at the inner dock for moving gondolas from Dock level down to Touring Wardrobe Room and Chorus Dressing Rooms, and FOH.

The loading dock area has parking to accommodate up to (5) 53’ tractor trailers (2 at dock and 3 parked) during the run of the show. No additional truck parking is available on site. In addition, there are (2) parking stalls for personal cars located opposite the Loading Dock for the exclusive use of touring shows

**SEATING:**

The maximum legal capacity of Sarofim Hall is 2650.

Public restrooms are located in the lower level lobby and on the Mezzanine and Gallery levels.

Seating capacities by section: Orchestra: 1242  
Mezzanine: 677  
Gallery: 732

## **ELECTRICAL SERVICES:**

### **Available disconnects:**

- (5) 400A 120/208V 3-phase switches on stage left pin rail, 35' above stage level
- (1) 400A 120/208V 3-phase switch on stage left loading dock.
- (1) 400A 120/208V 3-phase switch on upstage right wall.
- (1) 200A 120/208V 3-phase switch stage left on the isolation transformer.
- (1) 200A 120/208V 3-phase switch stage left loading dock on the isolation transformer.
- (4) 100A 120/208V 3-phase switches. (1 ea.) Down Right, Down Left, Up Right, and Up Left.
- (1) 100A 120/208V 3-phase switch on upstage wall in grid, 85' above stage level
- (2) 60A 120/208V 3-phase isolated clean sound, (1 ea.) Down Left, and Down Right

### **Convenience Power:**

120volt/20amp Convenience and isolated ground Edison type duplex outlets are located up stage and down stage right and left

## **LIGHTING EQUIPMENT:**

House consoles are an ETC Eos Apex, Ti and Ion which are networked to a remote processor unit for tracking backup that is capable of 4000 outputs. The system also contains remote video units, dmx gateways, and an iPad remote focus unit.

The house system is dimmer-per-circuit. The house connector is 20A, 3-conductor stage pin connector.

### **There are 759 house circuits distributed as follows:**

Follow Spot Booth 1-4  
Front of House Catwalks 6-47  
Forestage Grid for FOH truss 48-117 (6 circuit multicables)  
Gallery Rail 118-178  
Mezzanine Rail 179-239  
Box Booms 240-359  
Stage Left Fly Gallery 360-371  
Stage Right Fly Gallery 372-383  
Footlight Trough 384-395  
Grid Drop Multi Cables 396-695 (6 circuit multicables)  
Downstage Left Proscenium 696-708  
Downstage Right Proscenium 709-721  
Upstage Left Back Wall 722-734  
Upstage Right Back Wall 735-747  
Orchestra Pit 748-755  
Trap Room 756-759.

DMX ports are distributed throughout the theater.

### **FOH Repertory Light Plot**

**Cove** (permanently hung)

(20) 5 degree ETC S4 LED Series 3 Lustr X8 w/XDLT shutters

**Box Booms** (Side Truss Booms)

(04) Martin MAC Viper XIP (2 per Side)

### **ETC SOURCE FOUR FIXTURES (Lamped @ 750W):**

(20) 5 degree

(40) 10 degree

(21) 14 degree

(110) 19 degree

(65) 26 degree

(60) 36 degree

(10) 50 degree

(06) 15-30 degree Zoom

(103) ETC S4 PARs

### **CYCLORAMA FIXTURES (Includes Spares):**

(16) ColorForce II+

### **MOVING LIGHTS (Includes Spares):**

(20) MAC Aura XIP

(11) MAC Viper XIP

### **OTHER LED FIXTURES (Includes Spares):**

(12) ETC Source Four Lustr x8 Series 3 with XDLT Shutter – 19 deg

(08) ETC Source Four Lustr x8 Series 3 with XDLT Shutter - 26 deg

(08) ETC Source Four Lustr x8 Series 3 with XDLT Shutter – 36 deg

### **OTHER:**

4 Lycian 1293 3kW Follow Spots located in Spot Booth

Booms, Sidearms, Top Hats, and Barndoors are also available.

Additional lighting equipment is available locally for rental or purchase.

## **SOUND EQUIPMENT:**

### **LOUDSPEAKERS & AMPLIFIERS**

- 12 flown subwoofers (L-Acoustics KS21)
- 4 deck subwoofers (L-Acoustics KS28).
- 24 main LR loudspeakers (L-Acoustics K3)
- 14 main C loudspeakers (L-Acoustics KARA II).
- 2 L-Acoustics LA12X amplifiers and 8 LA7.16i amplifiers.

### **FOH CONSOLE**

- 1 Yamaha CS-R5 digital mixing console and 1 DSP-RX engine.
- Various console cards and stage box blades.

### **MON CONSOLE**

- 1 Yamaha CS-R5 digital mixing console and 1 DSP-RX engine

### **INTERCOM WIRED & WIRELESS**

- 3 Clear-Com HXII-RM digital partyline remote stations.
- 16 wired beltacks and 12 wireless beltacks.

### **NETWORKING PROCESSING & I/O**

- 1 Direct Out Technologies Prodigy-MP audio processor.
- Various I/O cards for MAD1, AVB, Dante, AES, and Analog.

### **MON LOUDSPEAKERS**

- 8 L-Acoustics X12 monitor wedges and 4 side fills (L-Acoustics KARA II).
- 4 monitor amplifiers (L-Acoustics LA4X).

### **IEM PACKAGE**

- 1 IEM transmitter (Shure ADTQ) and 8 receivers (Shure ADXR).
- 1 battery charger rack and various in-ear monitors.

### **WIRELESS MICROPHONES & ACCESSORIES**

- 5 Shure AD4QUS wireless microphone receivers and 20 bodypack transmitters.
- 12 handheld transmitters and various capsules.
- 24 lavalier microphones and 12 headset microphones.

### **MICROPHONE INVENTORY**

#### **AKG Microphones**

- 4 AKG C414 XLII
- 4 AKG C547BL
- 1 AKG D112

#### **Audio Technica Microphones**

- 6 Audio Technica AT4033A
- 2 Audio Technica AT897

#### **Beyer Microphones**

- 4 Beyer M88TG

#### **DPA Microphones**

- 4 DPA 4099-L

**Earthworks Microphones**

- 2 Earthworks FM500
- 1 Earthworks PianoMic 40

**Electro-Voice Microphones**

- 8 Electro-Voice N/D 468
- 3 Electro-Voice RE20

**Neumann Microphones**

- 6 Neumann KM184

**Røde Microphones**

- 6 Røde NT55

**Sennheiser Microphones**

- 4 Sennheiser e904
- 7 Sennheiser MD 421

**Shure Microphones**

- 5 Shure SM58
- 8 Shure Beta 58A
- 7 Shure SM57
- 8 Shure Beta 57A
- 7 Shure SM81
- 6 Shure Beta 98A/DS
- 6 Shure MX202B/S
- 6 Shure MX393/C

**Radial and Whirlwind Equipment**

- 6 Radial ProDI
- 2 Radial JDI Duplex
- 2 Radial J48
- 4 Whirlwind HotBox

There is also a full complement of straight and boom type microphone stands.

**FLY SYSTEM:**

There are 99 single purchase line sets typically on 6” centers with 68’ truss battens (1 ½” pipe)

Arbor capacity is 1850 pounds.

Each batten is suspended from (6) lift lines on 13’ centers.

System is operated from Stage Right at stage level or on Fly Gallery.

Contact the Production Manager for an Excel version of the house lineset schedule

**HOUSE SOFT GOODS**

- (1) 50wX20h Red Velvet Valance
- (1) 50wX36h Red Velvet Grande Drape (Guillotine only)
- (1) 68wX36h 24oz Black Velour Split Drops
- (9) 14wX36h 24oz Black Velour Legs
- (6) 68wX20h 24oz Black Velour Borders
- (1) 68wX36h Black Sharkstooth Scrim
- (1) 68wX36h White Sharkstooth Scrim
- (1) 68wX36h White Leno Weave Cyclorama
- (1) 68wX36h White Muslin Bounce
- (1) 58wX33h Rosco Twin White Front/Rear Projection Drop

\*Important: All house goods must be restored to hampers at end of engagement

**DRESSING ROOMS:** We have dressing room capacity for 94

<u>Location</u>	<u>#</u>	<u>Description/capacity</u>
Stage Level	2	Star Dress
	8	2-4 Actor
	1	Company Office (no internal bathroom)
	1	Wig and Make-up room
Street Level	4	Chorus Dress 15 Actor
	1	Conductors Suite
	1	Musicians Lounge w/(2) unisex restrooms

All dressing rooms have wardrobe racks, makeup lights, bathrooms, and showers. Conductor’s suite and orchestra lounge are located near the orchestra pit on the street level. See dressing room diagram.

**WARDROBE:** Touring Wardrobe Room with sink, 3 washers and 3 dryers located on Street Level (one level below stage). There is a freight elevator for moving gondolas from loading dock at stage level down to Wardrobe Room and Chorus Dressing Rooms.

**EQUIPMENT SHARED BETWEEN HOBBY CENTER SPACES (N.B.: The following is based upon availability. Please request to reserve as early as possible):**

- (16) Wenger Versalite Staging 4'x8' Platform  
Platforms can be legged to various heights from 8" to 94"  
Some skirting and step units are available
- (90) Wenger Musician Chair
- (90) Wenger Roughneck Music Stand
- (70) Music Stand Lights
- (1) Steinway Model-D 9' Concert Grand Piano
- (1) Steinway Model-B 7' Grand Piano
- (1) Yamaha U1PE 48" Upright Piano
- (1) AVstumpfl monoblox64 32'x18' 16:9 video format front & rear projection screen

**CONTACT INFORMATION:**

Mailing Address      Hobby Center for the Performing Arts  
800 Bagby, Suite 600  
Houston, TX 77002

Shipping Address    Hobby Center for the Performing Arts  
800 Bagby, Suite 600 – Stagedoor  
Houston, TX 77002  
\*Please reference recipient's name and show or touring company if applicable

Web site              [www.thehobbycenter.org](http://www.thehobbycenter.org)

Administrative Offices    (713) 315-2400

Stage Door/Security    (713) 315-2444

Production Manager    Jack Jacobs    Office (713) 315-2406  
E-mail: [jjacobs@thehobbycenter.org](mailto:jjacobs@thehobbycenter.org)

House Carpenter      Kevin Van Orden (713) 315-2442 [kevin@thehobbycenter.org](mailto:kevin@thehobbycenter.org)

House Electrician      Mark Dolney      (713) 315-2441 [mark@thehobbycenter.org](mailto:mark@thehobbycenter.org)

House Audio Engineer    Danny Nordby (713) 315-2421 [danny@thehobbycenter.org](mailto:danny@thehobbycenter.org)

**THEATRICAL SUPPLIES:**

Staging Solutions (projection)	(713) 721-9829
BrightStar (sound and lighting)	(713) 529-2757
LD Systems (sound and lighting)	(713) 695-9400
AVRGPro (Projection)	(281)808-2579
Audiovend Wireless Systems	(281) 218-8330
Space City Backline	(713) 476-8632
Grainger	(713) 783-9012
Clark's Hardwood Lumber Company	(713) 225-5551
Fastenal Hardware	(713) 862-6628
Techland (Theatrical Supplier)	(832) 518-5583