

Ovens Auditorium - Technical Specifications - Revised September 8, 2023

Ovens Auditorium

2700 East Independence Boulevard.

Charlotte, NC 28205

Contacts:

General Manager – Zach Rutledge (704) 335-3111
Email: Zach.Rutledge@Boplex.com

Booking & Settlement – Kyle Hopper (704) 335-3248
Email: Kyle.Hopper@Boplex.com

Technical Director/ Production - Jeff McManus (704) 989-3694
Email: Jeff.McManus@Boplex.com

Assistant Technical Director – Cory Jones (704) 335-3157
Email: Cory.Jones@Boplex.com

Assistant Technical Director – Reggie Lawson (980) 416-5223
Email: Reggie.Lawson@Boplex.com

Event Manager – Joanne Jolly-Ellis (704) 574-3164
Email: Joanne.Jolly-Ellis@Boplex.com

Event Manager – Ashley Prather (980) 310-2386
Email: Ashley.Prather@Boplex.com

Event Manager – Lexi O’Connell (980) 416-3307
Email: Lexi.O’Connell@Boplex.com

Catering, Merch and Towels – Osiris Vasquez (704) 335-3115
Email: Osiris.Vasquez@Boplex.com

Box Office Manager – Lena Ivie (704) 335-3112
Email: Lena.Ivie@Boplex.com

Security Director – Freda Lester (704) 975-3095
Email: Freda.Lester@Boplex.com

Administration Office – Shawn Coston (704) 372-3600
Email: Shawn.Coston@Boplex.com (704) 335-3129
(704) 335-3118 FAX

Marketing: Kyle Coulom (704) 516-6724
Email: Kyle.Coulom@CRVA.com

Website: www.Boplex.com or www.CRVA.com

General Information:

- All technical needs should be advanced with the Technical Director at least 3 weeks before load in.
- If you need a runner or merchandise sellers for your event, please contact one of our Event Managers.

Loading Dock:

- Working Dock Space: 31'-6" wide, will accommodate 3 trucks.
- Dock Surface: Concrete. 35'-3" long by 17'-3" deep by 3'-9" high. Dock surface is the same level as the stage.
- Two 4' wide portable dock plates are available.
- There is a 1-ton stacking motor located SR within 25' of the loading dock and the stage.
- There is an additional ramp to the dock at street level that is 9'-0" wide.
- Loading door #1: 9'-3" wide x 10'-5" high roll-up door.
- Loading Door #2: 10'-0" wide x 15'-0" high.
- Work Room: 42'-10" x 22'-7". Used for dead case storage and workspace. Located stage right. See diagram.

Stage Dimensions:

Width:

- Centerline to SL wall clear- 48'-9"
- Centerline to SR wall clear- 46'-2"
- Centerline to overhang of SR Fly Floor- 42'-10", clearance under- 17'-5 1/2"
- Height from house floor – 44'-1/2"

Depth:

- Straight back wall with pilasters.
- Depth to pilasters - 49'-3" from apron lip. 45'-11" from 0'-0"
- Depth to US wall - 51'-2" from apron lip. 47'-10" from 0'-0"
- Depth to US overhang of air duct - 41'-8 1/2", clearance under - 22'-5"
- USR Spiral staircase to the grid at 41'-8" of 0'-0" and 38'-4" off centerline.

Apron:

- Straight - 3'-4" at centerline. Referenced from plaster line (0'-0").

Orchestra Pit:

- **Orchestra Pit seating must be arranged before tickets go on sale.**
- Pit floor is half round - 11'-2" at centerline and 5'-0" at each end and is 50'-0" wide. See diagram.
- Hydraulic lift can be stopped at any height from stage level to 12'-0" below stage.
- Orchestra Pit extends under the stage 10'-2" by 50'-0" wide.
- Orchestra Pit has stair well accessibility from below the stage through the basement.

Proscenium:

- **Width:** 59'-0 1/2"
- **Height:** 24'-10 1/2"
- **Shape:** Rectangle
- What happens to house ceiling in first 10' in front of proscenium?
 - First 2'-0" is flat, it then angles upward and into the cove lighting position.
 - There is a recessed area at the top center of the proscenium that contains the house center speaker.

Rigging:

- There are 20 rigging points on 10 I-beams down stage of the proscenium and are accessed via 10" diameter holes in the plaster ceiling. Maximum capacity is 4000 lbs. per beam. The upstage row is 25'-3" above the deck and the downstage row is 27'-3" above the deck.
- Rigging points can be placed anywhere over the stage deck, up to 2000 lbs. per point.

Fire Curtain:

- **Fire Curtain must remain clear during load-in, performance and load-out.**
- 1'-1" from plaster line (0'-0") to US edge of smoke pocket.
- Distance from proscenium edge to on stage edge of smoke pocket: SR 0'-9", SL 0'-9-3/4"

Grid:

- Overhead steel consists of 4 main I-beams running up & down stage on 20'-6" centers and are riveted to 4 main pilasters with 4" x 1/2" flat steel.
- Connection of overhead steel to the grid consists of 4" x 1/2" flat steel members that are riveted to a 10" x 2-1/2" channel that is riveted to the main well channel.
- There are 4 connections per well. The first measures 7'-3" from 0'-0", the 2nd is 16'-8", the 3rd is 28'-8" & the 4th is 38'-1"
- Main well consists of 10" x 2-1/2" channel.
- There is NO well on centerline.
- Connections to US & DS walls are riveted into a 6-1/2" x 12" I-beam.
- Secondary channels are 2-1/2" x 6", spaced 5'-0" apart and are riveted to well.
- Working surface of grid is 59'-11" from stage deck and is made of standard 3" channel, welded to secondary channels.
- Grid covers entire stage deck.
- There is a well opening at mid SL that measures 4'-6" x 7'-6" for getting large items onto the grid's working surface via a 1/2 ton chain hoist on a trolley.

Fly System:

- All line sets and travelers operate from stage right.
- Line sets 1 through 28 and 42 through 60 are single purchase counterweight and can be operated from the stage floor or from the bridge 17'-5" above the stage floor. **See line set chart.**
- Line sets 29 through 41 are double purchase counterweight and are located stage right, on a bridge 17'-5" above the stage floor. **See line set chart.**
- All line sets have a working load capacity of 1100#. Double purchase arbors actually hold 2200# for an 1100# working load. **See line set chart.**
- House is equipped with approximately 18,000# of counterweight.
- All battens are 1-1/2" I.D. schedule 40.
- All battens are 68'-0" long, with a travel of 55'-1". **See line set chart.**
- All battens are flown on six runs of 1/4" wire rope with a spacing of 13'-0".
- Sheaves are "J" bolted to the topside of the grid and most may be kicked as needed.
- House is equipped with 50, 3/4" spotting sheaves.

Electrics:

Show Power:

- 600 Amp 3-phase Location - Upstage Right – Lighting Power
- 600 Amp 3-phase Location - Downstage Right - Lighting Power
- 400 Amp 3-phase Location - Downstage Left – Multi Purpose Use
- 200 Amp 3-phase Location – Downstage Left – Isolated Sound Power
- 200 Amp 3-phase Location - Stage Right Work Area – Multi Purpose Use

Shore Power:

None

Stage Lighting:

- **Console:** ETC ION. House requires an in-house Board Op on any time the console is in use.
- DMX Gateways located downstage right, downstage left and front of house gives the capability to operate all of the house dimmers from the touring company's console.
- On stage dimming consists of 192 ETC Sensor 20 amp dimmers.
- Front of house dimming consists of 129 ETC Sensor 20 amp dimmers.
- All house dimming racks have dedicated power services separated from the show power listed above.

Lighting Positions:

- **Balcony Rail:** Distance from 0'-0" = 80'-0" Length:40'-0"
Instruments: None, with 30 circuits
- **Cove:** Distance from 0'-0" = 44'-6" Length: over 60' Angle:
Instruments: 26 - 19 degree ETC Source 4, on 39 circuits
- **Box Booms:** Distance from 0'-0" at Center Line = 50'-6"
Instruments: 10 per side, 19 degree Source 4, on 30 circuits per side.
- **Follow Spots:** Four – 3000 Watt Lycian 1295XLT.
- **Rental fee of \$200 per spotlight plus operator.**
- **Spotlight Location:** Rear center of balcony in an enclosed projection booth.
- **Throw to stage:** 138'-2" to 0'-0"

Sound:

- **Mix Position:** Rear center of Orchestra Section. 110'-7" to lip of main stage.
- **Mix position is 24'-0" wide by 7'-10" deep** and requires NO seat kills.
- **SEAT KILLS MUST BE MADE BEFORE TICKETS GO ON SALE.** We do not automatically kill any seats because it is not required for our standard mix position as described above. It is the presenter's responsibility to request any additional seat kills for cameras, projectors or any other reason before tickets go on sale.
- **Snake Route:** 175 feet minimum run through a trough in the floor, through the center of the Orchestra Section and dressed to the stage.
- **Mixer:** Yamaha QL5.
- **Left & Right Position:** Four speakers may be stacked on the stage deck, or flown downstage of the proscenium.
- **Proscenium Clusters:** Consist of 2 Meyer Sound CQ-2 Self-Powered Speakers at each left and right positions.
- **Upper balcony delays:** Consist of 2 Meyer Sound CQ-2 Self-Powered speakers at each of the left and right positions.
- **Center Cluster and Center Delay:** Consists of 1 Meyer Sound CQ-1 Self-Powered speaker at the main position and 2 Meyer Sound UPA-2P in the delay position.
- **Under Balcony Delays:** Consist of 6 EAW UB42 speakers.
- **Front Fills:** Consist of 6 Meyer Sound MM-4 speakers.
- All speaker positions have separate EQ and delay capability.
- **Intercom:** Consists of a four channel Clear-Com system. **Rental fees apply.**
- **Lobby Paging:** Consists of a 70-volt system in the lobby with a dedicated paging microphone and a show program feed.
- **Dressing Room Paging:** The dressing rooms have a separate 70-volt system with a dedicated show program feed with a volume control in each room.
- **Hearing Impaired System:** Consists of 24 radio frequency (RF) receivers and a transmitter operating at 72.9Mhz in the FM band. There are 3 neck loops, and 3 Silhouette couplers available upon request at the Customer Service Desk.
- A house sound technician is required when any house sound equipment is to be used.
- No equipment can be placed in ANY aisles due to fire laws.
- **There is a 98dbA sound pressure level limit.**

Internet and Phone Lines:

- Phone lines may be installed in most rooms in the backstage area upon request. A minimum of 4 weeks notice is required for phone installation.
- High speed Ethernet internet is available. We will need to know your bandwidth and speed requirements.
- Wifi also available. A private network can be set up with a minimum of 2 weeks notice.
- **ALL phone and internet lines carry an installation and service fee.**

Properties:

- **House Piano:** Kawai 6-foot baby grand. **Rental fees apply.** Tuning extra. House reserves the right to approve piano tuners.
- **Music Stands:** 60 Wenger black with tripod base. Lights are available.
- **Chairs:** 100 padded chairs
- **Risers:** 6 each, Mitchell 3'x8' - 8" high, 16" high, 24" high and 32" high.
- **Additional Risers:** 28 Staging Dimensions standard 4'x8' decks with fixed legs starting at 8" high through 48" high in 8" increments.
- **Washer & Dryer:** 3 Maytag washers and 3 Maytag dryers, all located in Laundry Room in basement. **Rental fees apply.**

Dressing Rooms:

- **Dressing Room #1** -SL- 16'-3" x 9'-5" with shower and toilet.
- **Dressing Room #2** -SL- 16'-3" x 9'-3" with shower and toilet.
- **Dressing Room #3** -SL- 14'-3" x 9'-3" with shower and toilet.
- **Dressing Room #4** -SL- 14'-1" x 9'-3" with shower and toilet.
- **Dressing Room #5** -SL- 14'-3" x 9'-6" with shower and toilet.
- **Women's Chorus Dressing Room** -USL- 35'-7" x 21'-7" with 4 showers, 3 toilets & 5 sinks.
- **Men's Chorus Dressing Room** -USR- 31'-0" x 21'-7" with 4 showers, 5 toilets & 5 sinks.
- **Wardrobe/Catering Room** - 22'-0" x 13'-0" - No water in this room.
- **Production Office:** All show offices are typically taken from the above list of dressing rooms.

*** All rooms listed above are located on stage level*** See Diagram.

- **Laundry Room** - 20'-0" x 18'-8" - Located SL downstairs in basement - Has 2 small sinks and 1 large slop sink.
- **Basement** - Located below the stage is accessible via the Orchestra Pit elevator and may be used for wardrobe, hair, management or additional dressing area.

Seating:

- Orchestra Section: 1309
- Mezzanine: 595
- Balcony: 474
- Wheelchair Seating: 25
- **Total Standard Fixed Seating Capacity: 2403**
- **Pit Seating: Up to 44 portable chairs with no arms. Pit seating must be arranged before tickets are placed on sale.**
- **Total Capacity with Pit Seated: 2447**
- **See Seating Diagram for more details.**

Contact Lena Ivie at Lena.Ivie@Boplex.com
or call (704) 335-3112 for further ticket & seating information.

Security:

Patron Entry Points:

- Main Front Left – Evolv Security Technology (Single Lane)
- Main Front Right – CEIA Magnetometers – (2 units)
- Connector Entrance – Evolv Security Technology (Dual Lane)

-**All patrons** are screened upon entry into the building.

-**K9 Sweeps** can be requested with at least 5 day notice at an additional cost.

-**CCTV** is utilized throughout the venue.

-**Contract Security** are used throughout venue during load -in, during the event and post-show.

-**Uniformed Police Officers** are visible and on site during all events.