

# **LEHMAN CENTER FOR THE PERFORMING ARTS**

Concert Hall Technical Specifications  
September 2019

**Lehman College Concert Hall**

250 Bedford Park Boulevard West

Bronx, NY 10468

Main Office: (718) 960-8232

Technical Director: (718) 960-8493

## **TABLE OF CONTENTS**

Contact Information.....	3
Seating.....	4
Dressing Rooms.....	4
Stagehands.....	5
Load-In/Load-Out.....	5
Rigging and Soft Goods.....	6
Stage Specifications.....	7
Frequently Requested Measurements.....	8
Props, Risers, Acoustic Elements, Etc.....	9
Backline.....	10
Video System.....	11
Lighting System .....	12
Audio System and Comms.....	13
Select Production Guidelines.....	14
Points of Interest.....	15
Driving Directions.....	17

**These numbers are for your use and other business purposes. Please do not publish them for marketing or public inquiry:**

**LEHMAN COLLEGE CENTER FOR THE PERFORMING ARTS  
Concert Hall**

250 Bedford Park Boulevard West  
Bronx, NY 10468

**LehmanCenter.org**

**Executive Director – Eva Bornstein**  
**Assistant to the Executive Director – Janet Sanchez**  
(718) 960-8232  
JANET.SANCHEZ@lehman.cuny.edu

**General Manager – Mark Green**  
(718) 960-8281  
MARK.GREEN1@lehman.cuny.edu

**BOX OFFICE:**

**Assistant Box Office Manager – Diane Walters**  
(718) 960-8833  
DIANE.WALTERS@lehman.cuny.edu

**MARKETING COORDINATORS / GRAPHIC DESIGN:**

<b>Samuel Garcia</b>	<b>Luke Wright</b>
(718) 960-8833	(718) 960-7970
SamuelG1043@gmail.com	LUKE.WRIGHT@lehman.cuny.edu

**PRODUCTION:**

**Technical Director – Currently Vacant**  
(718) 960-8493  
Please email Janet Sanchez

Security is Provided by Lehman College Public Safety

## AUDITORIUM SEATING CAPACITY

**Total Seats.....2,265\***

Orchestra.....1,017 (999 fixed, 18 moveable)

Mezzanine.....287 (281 fixed, 6 moveable)

Balcony.....961 (all fixed)

\*Exact number may vary depending on production. Please note, additional FOH technical equipment is limited to the area next to FOH Audio behind O.R.C. Row V.

**There are 28 wheelchair accessible spaces in the orchestra level and 6 in the mezzanine level which can be filled in with moveable seating if desired.  
Contact Technical Director and Box Office Manager for details.**

## DRESSING ROOMS

### Stage Level

- Star Dressing Room with private bathroom
- Single Restroom for use by house crew and staff

### Dressing Room Level (one floor down from the stage)

- Two Large Chorus Dressing Rooms for up to 15 people each
- Four Small Principle Dressing Rooms for up to 4 people each  
(All 6 Dressing Rooms have lighted mirrors, counter space, sinks, garment racks)
- One Green Room with catering tables, refrigerator and video feed of stage
- Two Company Restrooms, including showers

### Access:

- Dressing Room Level has freight elevator access to Stage and Loading Dock levels, wheelchair lift access to stage, and staircase access to stage, loading dock and lobby (via hallway out of audience view.)

### Rehearsal Space:

- There is no off-stage rehearsal space available at the Concert Hall.

### Production Office:

- Wireless internet and power are available throughout the facility, but there is no dedicated area to be used as a “production office”. If your production requires such a space, one of the dressing rooms will be designated. Fax and copy services, wired internet for office work, and phones/computers/printers/other office equipment are not available onsite.

### Wardrobe:

- Wardrobe crew, irons, and steamers are available, but there is no washer/dryer on site. Arrangements can be made to do laundry at a local laundromat, at the expense of the visiting production.

## **STAGEHANDS:**

Lehman Center for the Performing Arts is an IATSE Local One Union House. Labor estimates will be given by the Technical Director upon receipt of production riders, schedules and other documents. Labor calls are on four-hour minimums.

## **LOAD-IN/OUT/ACCESS:**

Loading Dock and Stage Door are located on Paul Avenue at the rear of the hall. Vehicles can enter through Lehman College Gate 8 at the intersection of Bedford Park Blvd. West and Paul Avenue.

**All vehicles must be registered with Lehman Staff at least 48 hours prior to load-in to ensure access. This includes all cars, vans, trucks and busses that need to approach the Concert Hall, whether to pickup, dropoff or park. Parking for production vehicles adjacent to the Hall is limited.**

**All Company Members, Artists, Management and Production Personnel are asked to enter and exit through the Stage Door. Any equipment or instruments for use onstage or backstage should be brought through the Stage Door. Please discuss FOH equipment with TD.**

The loading dock is at trailer height (3'7") and can accommodate up to a 53' tractor-trailer. A dock plate is available, but there is no loading ramp or forklift onsite.

The stage is one floor down from the loading dock, and the dressing rooms are one floor below stage level.

There is a freight elevator connecting all three levels. Elevator may only be operated by Lehman personnel.

### **Freight Elevator:**

Capacity 8500lbs

Elevator Interior: 7'11" high x 9'6" wide x 7'10" deep

Elevator Doors: 6'7" high x 9'6" wide

### **Loading Dock Doors:**

Exterior Doors: 7'4" high x 6'0" wide

Interior Doors: 6'10" high x 6'0" wide

### **Narrowest point between truck and stage:**

Loading Dock doors (6'0" wide)

### **Lowest overhead obstruction between truck and stage:**

Elevator Doors (6'7" high)

# **RIGGING AND SOFT GOODS:**

## **RIGGING:**

- Double purchase cable-guided counter weight system
- 33 Line Sets (plus one electric winch, one hand winch and one dead-hung traveler pipe)
- Batten Length is 73'8"
- 8 lift lines per pipe
- Fly/Load Rails are located stage right (15' and 45' above stage respectively)
- Arbors are 12'0" tall with a capacity of 1100lbs per pipe
- Grid is subway grating. Deck to grid is 51'6"

Due to the nature of the Concert Hall infrastructure, there are limited rigging positions available downstage of the proscenium.

## **SOFT GOOD INVENTORY:**

- Red Proscenium Array:
  - Grand Teaser (with fullness, slow hand winch to raise/lower)
  - Traveler (hand pull, used to set prosc. opening, does not fly or open on cue)
  - Main Curtain (Flat, Guillotine only (does not travel), split at middle)
    - Please note: There is no access between proscenium wall and offstage edge of Main Curtain on either side.
- (4x) Black velour borders, flat with bottom chain, 80'w x 12'h each.
- (4x) Pairs of black velour legs, flat with bottom chain, 16'w x 25'h each.
  - Standard hang is with soft onstage edge at 24' off-center
- (1x) Black scrim 50'w x 30'h
- (1x) White scrim, 50'w x 30'h (Not rep, hung upon request)
- (1x) White Scrim as backdrop, 50'w x 30'h
- (2x) Full stage black velour split, two panels are each 40'w x 26'h.
  - One midstage
  - One on furthest upstage lineset

\*Upstage blackout/black split cannot be overhauled or moved. No show drops\*

Rep hang also includes (1x) projection screen, (1x) LED video wall, (4x) acoustic orchestra clouds and (8x) lighting pipes.

Rep Lineset Schedule can be found in Appendix A of this document.

# MAIN STAGE SPECIFICATIONS

## **STAGE:**

- Proscenium opening is set to 55' wide x 21' tall
- Stage is approximately 28' deep to first column from plaster line
- Stage is an irregular shape – see Stage Plan for details
- Stage is level, straight-grained maple, stained black, free of wax and other preparations. No functional traps. It conforms to AEA and AGMA standards.
- Screws, nails, bolts and drilling will not be allowed. Please arrange for some other method of securing scenery, lights, sound equipment, etc.
- Only gaff tape or paper tape/painters tape will be allowed on the stage floor.
- Black Marley-type dance floor is available. There are 4 panels, each 6' x 60', plus two upstage/downstage side tabs. There is no dance floor for the apron.

## **APRON/ORCHESTRA PIT:**

- The apron, including the orchestra pit, is 71' wide x 14' deep at center.
- Orchestra Pit is 23'10" on each side of center line, with a depth of 7' to 10'8" along front curve.
- Hydraulic orchestra pit can lower to 7'6" below stage level.
- There is a concrete wall along the front curve of the pit at stage height (i.e. the pit cannot be used as additional orchestra seating.)
- Pit can accommodate 35-40 musicians, with tunnels that connect the pit to the dressing room hallway. Power for music stand lights or equipment is available.
- Stairs on either side of pit provide access from stage into audience (5 steps each)

## **ACCESS TO/FROM STAGE:**

- Stairs from stage right wing (downstage) lead into audience, or to emergency exit stairwell.
- Stairs from stage left wing (downstage) lead to hallway, from which you can access lobby, audience (through doors) or dressing room level (down additional stairs.)
- Stairs from upstage center lead to dressing room level (one floor down), loading dock/fly floor/jump level (one floor up), and catwalks/load floor/grid (further up).

Stage Layout can be found in Appendix B of this document.

## FREQUENTLY REQUESTED MEASUREMENTS:

Lowest Obstruction Overhead SR (Clearance into wing): 12'7" (I-Beam under fly floor)

Fly Floor/SL Jump: 14'9" above stage deck

Load Floor: 45' above stage deck

Stage Deck to:

First Row of Seats (Stage 'Elevation').....	3'3"
Grid .....	51' 6"

Plaster Line to:

FOH Audio .....	82'
Lighting/Video Booth.....	89'
Balcony Rail at Center.....	74'
Furthest Seats (at center) .....	135'
Spot Booth (2nd Catwalk) .....	56'

Downstage Center Edge of Pit/Apron to:

FOH Audio.....	68'
Lighting/Video Booth.....	75'
Balcony Rail at Center.....	60'
Furthest Seats (at center) .....	123'
Spot Booth (2nd Catwalk) .....	45'

Furthest Upstage Lineset to:

FOH Audio.....	110'
Lighting/Video Booth.....	117'
Balcony Rail at Center.....	102'
Furthest Seats (at center) .....	164'
Spot Booth (2nd Catwalk) .....	81'

Recommended Cable Lengths:

Stage Right to FOH Control position ~225'



## **PROPS, RISERS, ACOUSTIC CONTROL, ETC:**

### **RISERS:**

- (17) StageRight 4' x 8' platforms (reversible with black deck/grey carpeting)
  - (6) 24" StageRight Z-Frame Supports
  - (6) 16" StageRight Z-Frame Supports
  - (40) 8" legs
- (4) Adjustable stair units with railings (2x Two-Step and 2x Three-Step)
- Due to limited caster configurations, the only rolling stock options are as follows:
  - One 4' x 8' rolling platform at 8" tall
  - One 8' x 8' rolling platform at 16" tall
  - One 8' x 8' rolling platform at 24" tall
- Additional "wedge" platform sections available for full choir setup

### **OTHER ITEMS:**

- Conductor's Podium/Rostrum (2 height configurations)
- Lehman College "Presidential" Lectern
  - Advance notice required, subject to availability.
- Black Fabric-Wrapped Lectern (48"H x 25.5"W x 17"D)
- (75) Black padded Orchestra Chair
- (8) Black padded Cello Chairs
- (3) Tall black stools with fabric seat
- (75) Wenger music stands
- (15) clip-on music stand lights
- (16) Wenger Orchestra Shell units (6' wide x 12' tall)
- (4) rows of overhead Wenger 'Forte' Acoustic Cloud Panels with recessed lighting
  - Fold flat and fly out for storage
- Genie AWP-30S (Lehman Staff use only) Platform height 29'6", Capacity 350lbs.

## **BACKLINE:**

- One Steinway 9' Model D Concert Grand Piano (Tuned A-440)
- One Steinway 5'7" Model M Baby Grand Piano (Tuned A-440)
- One Yamaha Motif XF-6 with sustain pedal
- One double-tier keyboard stand
- One single-tier keyboard stand
- Three Adjustable Piano Benches
- One Ampeg PF-800 Ultra-Compact 800w Bass Amp Head
- One Ampeg PF-410HLF Bass Cabinet (4x10")
- Three Latin Percussion Palladium Giovanni Series Congas
  - 11" Quinto, 11 3/4" Conga, 12 1/2" Tumba with rolling cradles
- Two Latin Percussion Timbales (14" and 15") with stand (See Bells below)
- Latin Percussion Galaxy Ash Bongos with Chrome Hardware
- Percussion table
- Assorted Latin Percussion Items
  - LP625 Whole Tone Bar Chimes (Double Row, 72 Bars)
  - LP1210 Granite Blocks
  - LP249 Cuban Style Guiro
  - LP212R African Claves
  - LP1289 Hand Held Bell Tree
  - LP380B Tambourine
  - CP374 Sleigh Bells (25 Bells)
  - ES-12 Salsa Cha Cha Cowbell
  - LP229 Mambo Cowbell
  - LP1207 Medium Pitch Jam Block
  - 2 Egg Shakers

## **VIDEO:**

### **LED WALL:**

- EdisonDisplays LED Video Wall
- As Configured: 12'6" high x 28'4" wide (192 x 432 pixels, 4 panels high, 9 across)
- Each Panel: 37.8" x 37.8" (48 x 48 pixels)
- 20mm pixel pitch, viewing angle is 140° horizontal and 140° vertical
- Intensity 4200 NITS at 100% white

### **PROJECTOR:**

- **Panasonic PT-DZ13KU**
  - 3 DLP Chip, Dual-Lamp Projection System
  - 1920x1200 Pixels (16:10 Aspect Ratio) (2,304,000 pixels per chip)
  - 12,000 lumens
  - 10:000:1 Contrast
  - Inputs: SDI 1 (3G/HD/SD), SDI 2 (HD/SD), HDMI, DVI-D, RGB 1 (5x BNC), RGB 2 (VGA/D-Sub 15), Composite (BNC)
- **Panasonic ET-D75LE30 Zoom Lens**
  - F value: 2.5
  - Focal Distance (f): 50.5-97.9 mm
  - Throw Ratio: 2.4-4.7:1 (for 16:10 Aspect Ratio)
- **Projection Screen:**
  - Screen Dimensions are 19'h x 21'4"w. At normal in-trim of 7' above stage deck, dimensions not blocked by teaser are 13'h x 21'4"w, (roughly 16:10 aspect ratio)
  - Rep Location: Lineset 5 (5'1" upstage of plaster line)
  - Throw distance from projector (in booth) is approximately 96'

### **MAC:**

- iMac Core i7 (Late 2012) 3.1 GHz Quad core, 8GB DDR3 SDRAM

### **PC:**

- Asus EB1503 1.86GHz Dual Core, 4GB DDR3
  - Primary function is running control program for Video Wall.

### **ROBOCAM:**

- Sony BRC-Z700 HD 3CMOS Color PTZ Video Camera
  - \*Only for distribution to in-house monitors – limited control capability.

# **LIGHTING SYSTEM:**

## **CONSOLES:**

- ETC IonXE-20
- grandMA 2 Light

## **DIMMERS:**

- (3) ETC SR48 Sensor Classic Racks with CEM-96 Classic Control Modules
- Unison House Light System
- (90) D-20 2.4kW (Stage)
- (36) D-20 2.4kW (House Lights)
- (4) D50-AF 6.0kW (Far-Cyc)

## **BASIC UNIT INVENTORY:**

- Source Four Pars (MFL)
- Source Four Lekos (10°, 14°, 19°, 26°, 36°, 50°)
- (2) Lycian M2 followspots (1200w HMI lamp, medium throw lens assembly)
- (4) VL3000 Spots
- (8) Strand Century 4 Circuit, 6' R40 Cyc Lights
- (4) Source Four MultiPAR 12-cell, 4 circuit units (as Ground Row)
- (9) PAR64 hung as Audience Warmers/Blinders
- (1) DF-50 with fan (Non-DMX, patched to dimmer)
- (8) Mac 101 CT (Variable White only – not RGB)
- (12) ColorKinetics Color Blast TRX RGBAW with one Power Supply

A portion of the above are hung in rep plot. Specific counts may vary, please request up-to-date inventory and plot. Please see Appendix C for plot.

Company Switch/Road Show Power is 400amp 3-phase located upstage right. G/N Reversed.

Houselights are controlled stage right or in lighting booth and are not console-addressable.

Spot Booth is located at center of 2nd catwalk above orchestra section.

Eight pre-rigged, 10' tall, 10x20 truss booms are available, with six Source 4 fixtures each, hung inside the truss. Unit heights are fixed, with lens centers at 2'0", 3'3", 4'6", 5'9", 7'0" and 8'3" off the deck. Contact TD for boom availability and lensing options.

## **AUDIO:**

### **FOH:**

- Yamaha PM-5D-RH 48 Channel Console
- FOH mix position behind orchestra center seating area
- CD Player or Aux Cord playback

### **PA:**

- JBL Vertec Flown Line Array (L/R) with Ground Subs, Front Fills, Out Fills and Balcony Delays

### **MONITORS:**

- Yamaha PM-5D-RH 48 Channel Console
- Monitor mix position, stagebox/split, equipment racks, etc. located Stage Right.
- Side fills, wedges, drum sub and IEMs available.

Selection of professional dynamic and condenser microphones including Shure, Sennheiser, Neumann, DPA, and Crown.

Sennheiser Wireless Microphone System with handheld microphones or beltpack transmitters.

Radial and Whirlwind Passive Direct Boxes available.

54 channel RamTech 3-way XLR split with FOH snake and Monitor fan-out.

For complete audio inventory including speakers, microphones, DIs, amps and other equipment, see Appendix D.

Tour sound power is located downstage right and is 400amp 3-phase

A Sennheiser Infrared Assisted Listening System is installed, with SA-625P receivers available for hearing-impaired audience members. System is fed by two condenser microphones hung from 1<sup>st</sup> catwalk.

## **COMMUNICATIONS:**

- Clear-Com Single Channel Headset system:
  - Beltpacks available for Followspot Booth, Lighting/Video Booth, FOH Mix Position, SR Monitor Mix Position, Fly Rail, or SR/SL SM Positions.
- Video Monitors (fed by Sony RoboCam):
  - Located in stage right wing, on fly rail, in stage-level dressing room and lower level green room.

# **GENERAL PRODUCTION NOTES**

**Lehman Center Production requires that any scenery being brought into the venue is accompanied by a current certificate of flame-proofing.**

## **Special Effects, Weapons, Etc.:**

**Lehman Center requests 28 days written notice of intent to use any effects and we reserve the right to refuse use of effects and weapons based on risk assessments, infrastructure concerns, liability, or insufficient notice.**

**Effects are considered to be any pyrotechnics, open flames, sparks, lasers, smoke, haze, fog, cryo, other atmospheric effects, firearms, bladed props, strobe lighting, confetti/streamer cannons, etc.**

**Any technical setup in auditorium must conform to the fire code and should be discussed with Technical Director (i.e. camera placement, console setups, cabling, etc.)**

**Performances should begin on schedule, no more than 10 minutes after listed time unless approved by both House Manager and Technical Director.**

**Emergency exits, exit routes, fire extinguishers and other safety equipment must remain clear of any obstacles.**

**Front Fills are bolted down to apron and cannot be moved or struck.**

**Storage for cases, set pieces and other items onstage is limited. Staff reserves right to store cases elsewhere if safety or movement is a concern.**

**Lehman Center staff reserves the right to limit output of, or prohibit use of touring hazers, foggers and/or smoke machines if the potential to trigger fire alarms is a concern.**

**Staff will retain control over audio levels (audio output SPL) to prevent damage to venue and equipment, or patron complaints.**

**Lehman Technical Staff requires a list - at least 10 days in advance of load in - of all equipment being brought into the space, to include all lighting, video, audio, scenic, prop, rigging, electrical, atmospheric, special effects, and other equipment. Lehman staff reserves the right to refuse setup and use of external equipment if crew numbers, schedule, infrastructure or other concerns, due to lack of advance notice, will not accommodate use.**

# POINTS OF INTEREST

## HOSPITAL

NYC North Central Bronx Medical Center  
3424 Kossuth Ave, Bronx, NY 10467

## TRANSPORTATION

4 Train at Bedford Park Blvd. – Lehman College Station  
B and D Trains at Bedford Park Blvd. Station  
Bronx Busses: Bx 1, 2, 3, 9, 10, 12, 22, 26, 28, 32, and 34.  
Manhattan Busses: MTA Express Bus BxM-4A and BxM-4B

## PREFERRED HOTEL

Hampton Inn & Suites Yonkers-Westchester:  
559 Tuckahoe Road, Yonkers, NY 10710

## CAFÉS AND RESTAURANTS

Dunkin Donuts: 2 E. Kingsbridge Rd.  
Starbucks: 50 W. 225<sup>th</sup> St.  
Bedford Café: 1 Bedford Park Blvd.  
Jerome Pizza & Pasta: 21 Bedford Park Blvd.  
Havana Café (far option): 3151 E Tremont Ave, Bronx NY.

## RETAIL, GROCERY AND DRUGSTORES

Duane Reade: 1 E Kingsbridge Rd.  
Target: 40 W 225<sup>th</sup> St.  
Rite Aid: 49 W. Fordham Rd.  
Marshalls: 2501 Grand Concourse  
Foodtown: 5555 Broadway  
TJ Maxx: 1 Fordham Plaza  
PC Richard & Son: 2501 Grand Concourse  
Staples: 5680 Broadway

## **BANKS**

Bank of America: 248 E Fordham Rd.

Capital One: 3159 Bainbridge Ave.

Chase: 66 E. Kingsbridge Rd.

Citibank: 234 E 198<sup>th</sup> st.

HSBC: One E Fordham Rd.

TD Bank: 640 E Fordham Rd.

## **COLLEGE DINING OPTIONS**

Lehman College Cafeteria - "The Underground Lounge" (Music Building)

Mon-Thurs: 7:30am-8:30pm

Fri & Sat: 7:30am-3:30pm

Sun: Closed

Harmony Café – Coffee Shop (Music Building)

Mon-Fri: 7:30am-7:45pm

Sat & Sun: Closed

Carman Cafeteria – Coffee and Sandwiches (Carman Hall)

Mon-Thurs: 7:30am-8:30pm

Fri & Sat: 7:30am-3:30pm

Sun: Closed



# **Directions to Lehman Center**

## **From New Jersey, East Manhattan, Queens or Brooklyn**

Take the George Washington Bridge, Willis Avenue Bridge, or the Triborough Bridge to the Major Deegan Expressway North (I-87) and exit at Van Cortlandt Park South. (Follow directions below for Van Cortlandt Park South exit)

## **Alternate route from New Jersey (with toll)**

Take the Henry Hudson River Drive to the Mosholu Parkway Exit. (Follow directions below for Mosholu Parkway exit)

## **From West Manhattan**

Take the West Side Highway going north. It becomes Henry Hudson Parkway to Mosholu Parkway exit. (Follow directions below for Mosholu Parkway exit)

## **From Westchester**

Take the New York State Thruway to the Major Deegan Expressway South (I-87) to Van Cortlandt Park South (becomes Henry Hudson Parkway) to Mosholu Parkway exit. (Follow directions below for Mosholu Parkway exit)

**Commercial Vehicles should take the Major Deegan Expressway (I-87).**

## **Van Cortland Park South Exit**

At traffic light, turn left and proceed up the hill (bearing left with the main road) past Sedgwick Avenue, until you reach Goulden Avenue. Proceed on Goulden for two long blocks and make a left onto Bedford Park Boulevard West. Continue to the intersection of Bedford Park Boulevard West and Paul Avenue, where you can enter through Gate 8. Continue through the gate and down Paul Avenue to the side of the Concert Hall.

## **Mosholu Parkway Exit**

Proceed on long exit ramp to the second traffic light. At traffic light turn right into the center of a traffic island. Continue straight ahead on Paul Avenue for two blocks to Bedford Park Boulevard West. At Bedford Park Boulevard West, you can enter through Gate 8 and continue down Paul Avenue to the side of the Concert Hall.