



# Technical Information

## The Historic Strand Center for the Arts of Lakewood

400 Clifton Avenue, Lakewood, NJ, 08701

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## Introductory Notes

We hope that this technical packet will give you all the information you need for your visit to the Strand Theater. In the introductory notes are a few things that you should be especially aware of as you plan your visit.

**Loading Dock:** Our loading area is not on our property so we MUST know ahead of time when anything larger than a van or small truck needs to be backed up to the loading dock. It also may be difficult for a large semi truck to be backed up to the dock unless you have a very experienced driver. A fifty-two footer (52') with an extended cab will not fit at all.

**Rigging and Pit:** Please take note that the theater DOES NOT have a grid! All above-stage rigging MUST be either on a batten or rigged from a very few steel beams. Currently none of our crew are able to rig off the steel, so we must be made aware of any high steel rigging needs at least two months in advance.

The pit normally has a cover on it. Cover removal is time-consuming, so again we must ask for a two-month warning. Access from the stage into the audience is normally from offstage only. Removable steps can be set up to provide access from the stage into the house.

**Lighting:** Included in this packet is our repertory plot. Please keep it in mind as you are designing your plot. Ours is a flexible plot and should work well for most shows. Refocusing and rechanneling are not problems; however, rehangs of the plot is both time-consuming and expensive, and should be avoided at all costs! Rental groups will be charged for any changes to the plot. We will not relamp instruments, other than those that blow out, and will relamp Par cans on a limited basis only! Included is an instrument schedule. The front-of-house hanging positions are a left and right perch that are above the break. Also left and right are two lighting ladders at about 2' beyond the front of the stage at the sides of the proscenium. Last but not least, there is a pipe on the front of the booths at the back of the house (more than 100' from stage). THERE ARE NO OTHER FRONT-OF-HOUSE POSITIONS! There is no way to hang truss or anything else over the audience or front of the stage.

**Smoke, Open Flames, and Pyrotechnics:** Use of open flames requires two firemen to be on duty within the building. Pyrotechnics must have a New Jersey Licensed pyrotechnician to operate.

No restriction on fog or haze if used within reason, Technical Director has authority to discontinue use.

**Backstage:** The basement area is not accessible for road cases except by carrying them down a set of stairs. Backstage capacity is limited to 150 people.

**Crew:**  
We are a nonunion facility. The presenter's management, the artists' representative, and the Strand's Technical Director shall determine call size. Our trained employees, who are familiar with our equipment and facility, staff all events. One staff member must be present whenever the venue is in use regardless of any other personnel required. Minimum staff size is at the discretion of management and is determined on an event-to-event basis. All Strand equipment must be operated by or under supervision of Strand staff.

## **Load-In Area**

**Dimensions:** Loading dock door is 6' 10 ½" (6.875m) by 6' 10 ½" (6.875m). This is the largest opening in the building. Our loading area is not on our property so we MUST know ahead of time when anything larger than a van or small truck needs to be backed up to the loading dock. It also may be difficult for a large semi truck to be backed up to the dock unless you have a very experienced driver. A fifty-two footer (52') with an extended cab will not fit at all. Loading dock is close to truck height. Vehicles can only be at dock to load/unload. There are two free parking lots available on Fourth Street and Fifth Street. On-street parking is also available.

Truck and bus parking ONLY with advance notification.

## Carpentry

### **Seating:**

Raked seating: 1,030 seats (352 seats in orchestra, 104 in loge, 288 in mezzanine, 286 in tier).

Six (6) spots for wheelchairs house left in orchestra

To farthest seat, 121' (36.88m); to break, 48' (14.63m)

### **Stage Dimensions:**

**Proscenium:** 20' 8" high x 42' 4" wide (6.29m x 12.9m). Stage is 38' 6" (11.73m) deep. From last line set to front edge of pit cover 37' 3" (11.35m)

From last line set to front of stage 28' 3" (8.6m)

From last line set to plaster line 24' 3" (7.39m)

From last line set to front curtain 23' 11" (7.29m)

**Wing space, stage left:** 11' x 25' (3.35m x 7.62m) includes storage space for ladders.

**Wing space stage right:** 5' x 25' (1.52m x 7.62m) includes room for rail operators; does not include room behind rail

**Grid height:** NO GRID AVAILABLE!

**Orchestra pit:** Cement floor at 6' (1.83m) below stage floor, normally covered, can hold up to 25 people. Can be removed for event, must notify the Technical Director in advanced,

**Stage height:** 3' 4" (3.33m) from house floor

### **Stage floor:**

Masonite-covered, softwood on wood joists, black surface

**House Draperies:** controlled manually from rail stage right

**House curtain:** Maroon velour, guillotine on line set #1 at 0' 4" (.1m) from plaster line

**Legs:** Five sets @ 10' x 25' (3.04m x 7.26m), black velour, no fullness

**Borders:** Five @ 10' x 50' (3.04m x 15.24m), black velour, no fullness

**Midstage Black:** Two panels @ 25' x 25' (7.62m x 7.62m), black velour, with fullness

**Fullstage Black:** Single panel @ 25' x 50' (7.62m x 15.24m), black velour, no fullness

**Scrims:** One -Black sharks tooth scrim @ 30' x 50' (9.14m x 15.24m)

**Cyclorama:** One – Leno filled seamless white Cyc @ 30' x 50' (9.14m x 15.24m)

## **Line Set Data:**

**Line set plot:** See Attachment

**Working height of battens:** High trim is 54' (16.45m) and low trim is 4' (1.21m)

**Battens:** Twenty-four 52' (15.84m) 1½" schedule 40 pipe

**Type:** All lines are single purchase; locks are at stage floor level

**Arbor capacity:** Maximum load 1,000 lb. per pipe (450kg) \*pipes cannot hold 1,000 lbs

**Available weight:** Approx. 10,000 lb. (4,500kg) various sizes and weights

**Loading gallery:** Stage right at 50' (15.24m) above stage floor

**Other heights:** Roof at 63' (19.2m), support steel at 58' (17.68m)

**Drop Points (Overhead Steel):** Left from Center Line at 6' 8" and 19' 2"

Right from Center Line at 5' 5" and 18' 0"

### **Support Areas:**

**Crossover:** Onstage if the last two line sets are not in use, or under the stage **Access:** From stairs stage left and right, and door from hallway stage right

### **Shop Area:**

None available, set pieces and props coming into the theater should be complete and fire proofed. If any kind of construction is necessary it should be cleared by the Technical Director in advance. Any damage to the stage can result in a charge to the renter.

### **Notes:**

Please call before considering hanging from steel.

### **Policies:**

**Fire curtain:** The free movement of the fire curtain to the stage floor must be maintained at all times.

**Scenery and rigging:** The Strand reserves the right to inspect all scenery and rigging prior to use. The Strand also reserves the right to make repairs as needed.

**Spray painting:** No spray painting is allowed within the building, any spraying should take place outside of the loading dock. While spraying outside the ground must be protected, any paint on the loading dock or asphalt may result in damage charges.

**Flameproofing:** All scenery and properties **must be** flameproofed before they may be used on stage. Productions must show certification of flameproofing upon request and are subject to inspection by the state fire marshal. There should be no bare wood during productions, any exposed wood should be covered in a fire proofed paint of any color.

# Lighting

## **Power:**

Two @ 120/208V, 3-phase 400 amp per leg, in lighting loft 20' (6.09m) (connected to house dimmer rack)

120/208V, 3-phase 100 amp per leg, stage left proscenium wall 7' (2.13m) from stage (cam locks) Two @

120/208V, 3-phase 200 amp per leg, stage right behind rail 20' (6.09m) from stage (cam locks)

(Currently, voltage is running at about 121V per leg.)

## **Dimmers:**

192 2.4k dimmers – 2 ETC Sensor Install Rack (DMX512)

No Non-dims available thru dimmer rack (must supply own non-dim control)

Non-dims can be powered and controlled from circuit box stage right

12 2.4k dimmers – 2 - 6 circuit Leprecon ULD-360 (Stage Pin) (15 amp max between 3 dimmers)

Dimmer racks located in loft 10' off stage floor stage right

Three DMX control lines from booth to stage: two by dimmer and one at stage level

Two DMX control lines from mid theater (center) break

Work lights and house lights cannot be controlled by DMX signal; they are controlled by panels onstage.

## **Control Board:**

Avolites Titan Mobile W/ Fader Wing.

Remote focus unit available

Limited to 1024 channels

## **House Lights and Work Lights:**

Control at stage right

## **Circuits (Dimmer per circuit) :**

192 @ 2.4kW circuits (all hard wired to dimmer racks)

72 from front of house (12 repeated next to rack)

96 from onstage 12-channel multis (may be supplemented with extra cable runs)

24 next to rack with runs to side boom positions.

## Equipment Inventory:

### **Instruments:**

23 Altman 360Q 6x22  
40 Altman 360Q 6x16  
38 Altman 360Q 6x12  
38 Altman 360Q 6x9  
10 Source 4 Jr.  
44 Par 64 1000w  
6 R40 striplights: 4-circuit, 16-cell

**Follow spots:** Two Lycian SuperStar 1.2 (1200HB)

### **Hardware:**

100 10" frames  
200 7" frames  
20 Source 4 frames  
30 Gobo holders (B-size)  
10 Gobo holders (M-size for Source 4 Jr.)  
8 Boom Bases and 12' (3.65m) pipes  
80 7" doughnut frames  
30 7" tube extenders (top hats)  
10 Source 4 tube extenders (top hats)  
33 side arms

### **Cable:**

Approx. 4,000' of cable in lengths of 5', 10',  
15', 25', 40', 50', and 100': 12/2SO 2-pin and ground stage plug, no twist lock adapters available  
Approx. 40 two-fers, various Edison-to-stage-pin adapters are available  
200' (30.48m) DMX cable

### **Film, video, and projection equipment:**

Epson EX3220 Projector. There is no projection screen for the main auditorium, instead a white Cyc is used.

**Gallery** has a screen & smart tv.

## Sound

### **Power:**

Two @ 120/208V, 3-phase 400 amp per leg, in lighting loft 20' (connected to house dimmer rack) 120/208V, 3-phase 200 amp per leg, stage left proscenium wall 7' from stage (cam locks) Two @ 120/208V, 3-phase 200 amp per leg, stage right behind rail 20' from stage (cam locks)

**Wiring:** One Cat5e line from FOH position to stage, two 12 and one 8 channel sub snakes

**Control Location:** House Center 40' from stage

**Monitor System:** Booths, technical office, all dressing rooms, and hallways

### **Production Communications:**

Limited Wired Clear Com

x6 Wireless Radios for the Strand Crew \*must notify TD if radios are needed for production

## Equipment Inventory:

**Mixing consoles:** Two Behringer X32

**Fixed speaker:** QSC KLA Stacked line array (Three 18" Subs and Three 12"/2.75" Tops per side.)

**Portable speakers (Monitors):** 8- iQ12 12" 2500W iQ Series Speaker

### **Available Mics/DI:**

X2 Radial ProD2 2-channel Passive Instrument Direct Box

X8 Radial ProDI 1-channel Passive Instrument Direct Box

X2 Sennheiser 1-835 Wireless Microphone

X4 Sennheiser EW 100 G4-835-S Wireless Handheld Microphone System

X6 Sennheiser e 835 Cardioid Dynamic Vocal Microphone

X2 Sennheiser e 906 Supercardioid Dynamic Instrument Microphone

X2 Sennheiser MD 421-II Cardioid Dynamic Microphone

X5 Shure SM57 Cardioid Dynamic Instrument Microphone

X4 Audix ADX51 Small-diaphragm Condenser Microphone

Audix i5 Cardioid Dynamic Instrument Microphone

X2 Audix D2 Hypercardioid Dynamic Instrument Microphone

Audix D4 Hypercardioid Dynamic Instrument Microphone

Audix D6 Cardioid Dynamic Kick Drum Microphone



**Cable:**

X6 ProCo Stage Master Instrument Cable 10ft  
X10 ProCo Stage Master Instrument Cable 3ft  
X30 ProCo Stage Master Instrument Cable 25ft  
X15 ProCo Stage Master Instrument Cable 50ft  
X3 ProCo Stage Master Instrument Cable 100ft

**Stands:**

X15 Proline Telescoping Boom Microphone Stand  
X4 Proline Desktop Boom Microphone Stand

**Notes:**

Rental speakers must come with their own amps, must notify TD if the house speakers need to be removed from the stage. Acoustics of the theater are considered excellent.

**Orchestra Pit:**

Capacity: 25 musicians  
See Carpentry for more info  
No storage room in pit area  
Pit normally covered  
padded chairs

**Music:**

**Stands:** (50) Fifty  
**Stand lights:** 15 LED clip lights, 13 conventional clip lights  
**Conductor podiums:** One 8" stand

**Orchestra Shell:**

None available

**Platforms:**

10 wood 4x8 platforms  
24" legs (32) 16" legs (31) 12" legs (33)

**Dance Floor:**

5 panels 50' x 4' Rosco Black Marley Dance Floor (covers entire stage)

## **Wardrobe**

### **Dressing Rooms:**

A & B: Four-person “star” in stage right hallway, stage level with shared bathrooms

C & D: Twelve-person each, under stage

E: Eight-person, under A & B dressing rooms (under stage)

Cast/crew bathrooms in basement, stage right

**Wardrobe Area:** None available, may use dressing room or Cantina

**Irons:** One

**Ironing boards:** One

**Steamers:** None

**Washer/dryer:** Standard size washer and dryer available in Cantina (under stage)

**Racks/hangers:** Six heavy duty racks available

**Quick-Change Booths:** In house pipe and drape

## **Other Spaces**

### **Gallery:**

#### **Sound/Video/Carpentry:**

Contact Technical Director for Gallery specs.

#### **Kitchen:**

Refrigerator, dishwasher, microwave and warming oven available.