

Technical Information for

# Lydia Mendelssohn Theatre

Version current as of November 2024

## VENUE ADDRESS

911 N. University Ave.  
Ann Arbor, MI 48109-1265

## MAILING ADDRESS

University Productions  
128 Michigan League  
911 N. University Ave.  
Ann Arbor, MI 48109-1265

## AUDITORIUM SEATING CAPACITY

Orchestra 386  
Orchestra wheelchair spaces 6  
Orchestra companion seats 8  
Balcony 220

*Total capacity (including accessible seating) 620*

## LOAD-IN ACCESS

*Fletcher Street between N. University and Washington Streets.  
(Google address for stage door is 234 Fletcher St.)*

Loading Dock Door 9'-8" x 5'-0" (Loading dock door is at street level)

*Note: the loading door leads into the trap room where all scenery must be lifted to stage level via a center stage elevator. After the set is onstage, the elevator is inoperable because the lift platform is part of the stage floor.*

## ELEVATOR TRAP INFORMATION

Trap dimensions: 7'-10" x 9'-2¼"  
Loading platform to stage: 15'-3"  
Basement floor to stage: 20'

## STAGE SPECIFICATIONS

Proscenium arch width 29'-11"  
Proscenium arch height 16'-10"  
Depth of stage 28'-3" (plaster line to back wall)  
Depth of apron 4'-8" (front of stage to plaster line)  
Dimensions of orchestra pit 4'-2" x 21'-5" (50-5/8" below stage level)

*Note: Orchestra pit changes in width according to the curvature of the stage apron. Please reference the ground plan for more details.*

Stage floor - Masonite, painted black

## **RIGGING**

Single purchase manual counterweight system

Number of line sets 29

Height of grid from stage floor 37'-4"

Highest batten can be flown 35'-5" (Electrics 33')

Lowest batten can be flown 5' (Electrics 3'-10")

Distance from back wall to last set 4'-6"

Maximum pipe length 36'-6"

Arbor weight limit 500lbs/226kg

Weight Information Information Full weight - 19 lbs, 1 ½" tall

1/2 weight - 12 lbs, 1" tall

House additional weights 106 full @19 lbs = 2014 lbs

104 half @12 lbs = 1248 lbs

*Note - no weight loading gallery - all loading must be at stage level*

## **SOFT GOODS**

House Curtain - Red, manual guillotine with split in the center, no traveler

House Masking Hang (all draperies are black velour)

One (1) Teaser 34'w x 17'-6"h (line set #2)

Two (2) pair legs 8'w x 22'h (line sets #6 and #20) Two (2) travelers 16'w x 22'h

(line sets #13 and #27) Three (3) borders 40'w x 7'h (line sets #12, #19 and #26)

Sidetabs - Two (2) dead hung traveler tracks, SL & SR, running US/DS at 19' from center w/two (2) pieces each 27'w x 22'h

Additional drapery

Four (4) legs: 8'w x 17'h

Two (2) borders: 7'h x 40'w

Four (4) travelers: 19'w x 17'h

One (1) scrim, black sharkstooth: 28'w x 16'h

One (1) scrim, black sharkstooth: 30'w x 16'h

One (1) scrim, black sharkstooth: 39'w x 24'h

One (1) painted drop: 30'w x 16'h (mimics design of proscenium)

## **COMPANY SWITCHES**

110/208v 3 phase 5 wire - One (1) 200 amp disconnect in SR Flyloft

*Note - Access to this power is ONLY via 400 amp locking Cam Locks*

120/240v Single phase 4 wire - One (1) 60 amp outlet located Downstage

*Right Note - Access to this power requires a NEMA 15-60 Plug*

120v Single phase 3 wire - One (1) 50 amp outlet located Downstage

*Right Note - Access to this power requires a 60 amp 2PNG Plug*

## **LIGHTING SYSTEM**

### **Lighting Control**

One (1) ETC Ion w/ 2x20 fader wing (w/ two (2) non touch screen displays)

One (1) ETC Nomad Puck w/ two (2) touch screen displays One (1) ETC Radio focus remote

ETC Net3 ports located throughout the hall

One (1) Pathport Gateway, configured for Universes 3 - 6

*Note - The ETC Ion is semi-permanently installed in the stage right light booth. The ETC Nomad Puck is available for use throughout the venue.*

### **Dimmers**

One hundred ninety (190) ETC 2.4kW dimmers

One (1) ETC 6kW dimmer (for house light control)

*Note - Many dimmers can be switched with a non-dimming drawer to provide 120v power. Please consult the house technician for further information.*

### **Front of House**

*Units at these positions are permanently mounted.*

Follow Spot Booth (located at center rear of the balcony)

Two (2) ETC Source Four 10° 750w on City Theatrical follow spot yokes

Box Boom #1 SL & SR (each) Three (3) ETC Source Four 26° 575w Three

(3) ETC Source Four 36° 575w

Three (3) ETC Source Four LED Lustr 2 26°

Two (2) ETC Source Four LED Lustr 2 36°

Box Boom #2 SL & SR (each) Three (3) ETC Source Four 19° 575w Three

(3) ETC Source Four 26° 575w

Three (3) ETC Source Four LED Lustr 2 19°

Two (2) ETC Source Four LED Lustr 2 26°

Cove #1 Twelve (12) ETC Source Four LED Lustr 2 19° Cove #2 Six (6) ETC Source Four LED Lustr 2 14°

### **Overstage**

*Units at these positions may be changed at will, but must be restored at strike.*

#1 Electric (Lineset 3) Eight (8) ETC Source Four 36° 575w Seven (7) ETC D60

Two (2) Altman LED Work Lights

#2 Electric (Lineset 4) Empty

#3 Electric (Lineset 14) Six (6) ETC Source Four 36° 575w

Two (2) Altman LED Work Lights

Seven (7) ETC D60

#4 Electric (Lineset 15) Empty

#5 Electric (Lineset 21) Six (6) ETC Source Four 36° 575w  
Seven (7) ETC D60

#6 Electric (Lineset 28) Six (6) ETC Source Four 36° 575w  
Seven (7) ETC D60

Two (2) Altman LED Work Lights

#7 Electric (Lineset 29) Five (5) Chroma-Q Colorforce II-72

### **Additional Lighting Inventory**

*This does not include house hang units listed above.*

Eighty One (81) ETC Source Four 575w Bodies

Fourteen (14) ETC Source Four 14° Lens Tubes

Twenty One (21) ETC Source Four 19° Lens Tubes

Forty Five (45) ETC Source Four 26° Lens Tubes

Twenty Nine (29) ETC Source Four 36° Lens Tubes

Sixteen (16) ETC Source Four 50° Lens Tubes

Twenty (20) ETC Source Four PAR 575w (VNSP, NSP, MFL, WFL, XFL lenses available) Six (6) Chroma-Q Colorforce II-72 LED Striplight units

Two (2) ETC Source Four 15°-30° Zoom

Two (2) ETC Source Four 25°-50° Zoom

### **Accessories**

Two (2) Zytex heat stop panels 18" x 20'

Six (6) 18" Scenery Bumpers

Nine (9) 6¼" Color Extenders

Ten (10) 6¼" Top Hats (48 additional used in house hang)

Twenty Five (25) 6¼" Half Hats

Twelve (12) 7½" Barn Doors

Eight (8) ETC Source Four drop-in iris units

Thirty-six (36) side arms 18" - 24"

Five (5) 35 lbs boom bases 1½" pipe

Ten (10) 50 lbs boom base 1½" pipe

### **SOUND SYSTEM**

One (1) Behringer X-32 Producer

Three (3) Rane ME15 equalizer

One (1) audio snake 100' long, 8 x 4 channels

Three (3) QSC 1200 amplifiers

Two (2) Denon CD player DN-c615

### **Speakers**

Four (4) Acoustek custom rebuilt, two (2) function as main PA

Six (6) EV S40B speakers

Four (4) Klipsch HIP, two (2) used as backstage monitors in house position

### **Microphones**

Four (4) Shure ULX-D wireless system, FM lapel or handheld  
Two (2) straight microphone stands  
Six (6) boom stands  
Six (6) Shure SM58 microphones (two w/switch)

### **Speaker outlets**

*Speaker Line # Location*

1 - 2 Proscenium Wall SL  
3 - 4 Proscenium Wall SR  
5 Green Room  
6 - 7 Balcony Face  
8 - 9 Projection Booth  
10 & 12 Upstage Left  
11 Upstage Right  
13 - 14 Trap Room  
15 - 16 Makeup Room  
17 - 18 Orchestra Pit

### **COMMUNICATION SYSTEMS**

#### **Intercom**

One (1) dressing room monitor system w/ dressing room page

#### **Headset System**

Twelve (12) Telex PH-88 single muff headsets  
Two (2) Clear-Com KB-112 squawk boxes  
One (1) Clear-Com MR-102  
Two (2) Clear-Com PS-452  
Eleven (11) Clear-Com RS-501 single belt packs  
Three (3) Clear-Com RS-502 double belt packs  
Ten (10) Freespeak II wireless double belt packs

#### **Video**

Two (2) cameras One (1) color fixed on balcony rail pointing at the stage One (1) small, color - portable (typically used for conductor camera)  
Eleven (11) monitors One (1) located in the lobby, color  
One (1) located in the green room, color  
One (1) located in the light booth, color  
Two (2) located at stage manager's station SR, 9" black and white  
One (1) located at stage manager's station SR, 19" Color

- One (1) portable 23" Color CRT on Cart
- One (1) portable 9" black and white
- One (1) located in wig and makeup room
- One (1) 28" Flatscreen, portable
- One (1) 19" CRT on sound platform

## **INFORMATION SYSTEM**

Wired - Ethernet 1000 Base-T, located in light booth. Advance arrangements required for access.

Wireless - U-M Wireless on-stage and in the auditorium and main lobby please refer to <http://www.itdcom.itd.mich.edu/wireless/> for information regarding access and settings.

## **DRESSING ROOMS**

### **Half Flight Below Stage Level**

Green Room - located off stage right with access from backstage right, auditorium, and lobby.

### **One Flight Below Stage Level**

Two (2) Dressing Rooms (one stage right, one stage left) - Partitioned into 4 areas with doors on each area 3 areas are singles, 1 area is for 4 actors. Each area has a basin w/hot and cold water, mirror w/abundant light. A toilet is also located in each dressing room.

### **Two Flights Below Stage Level**

Two (2) Dressing Rooms (one stage right, one stage left) - seating and mirrors for 13 performers, a shower, 3 basins, toilet, and water fountain.

### **Two and a Half Flights Below Stage Level**

Wardrobe/Wig Room - located under the stage, half-flight below the trap

room. *There are laundry facilities available in the trap room.*

## **REMOVABLE SEATING**

All of Row A

Rows C & D, seats 1-5 & 18-22

Rows S & T, seats 1-5, for sound mix position

## **CONFERENCE/LOBBY/BACKLINE EQUIPMENT**

### **Tables**

Two (2) 24" x 5' prop tables

One (1) 24" x 6' prop table

Two (2) 30" x 4' prop tables

Two (2) 30" x 5' prop tables

Two (2) 30" x 6' prop tables  
One (1) 30" x 8' prop tables

### **Orchestra Pit**

One (1) Boston upright piano (rollable to house level, located in green room)  
Twenty-Six (26) music stands  
Twenty-Six (26) Chairs  
Twenty-Six (26) music stand lights  
One (1) electrical snake for music stand lights

### **Ladders**

One (1) 20' A-frame ladder  
One (1) 16' step ladder, aluminum  
One (1) 12' step ladder, fiberglass  
One (1) 8' step ladder, fiberglass  
One (1) 6' step ladder, fiberglass  
One (1) 5' step ladder, wood  
One (1) Genie personnel lift (max platform height 20' - requires current lift certification)

### **Miscellaneous Equipment**

One (1) full-sized refrigerator - located in trap room  
One (1) Walnut lectern with adjustable height and clock  
One (1) 9' x 12' Fastfold screen with front and rear sheets  
Some pleated, blue, table skirting is available

### **HOUSE LINE SET SCHEDULE:**

*Line Set # Distance from Plaster House Hang Notes*

- 1 0'-6" Red Main Curtain Operated from SR
- 2 1'-0" Teaser
- 3 2'-0" #1 Electric Dimmers 54-79
- 4 3'-0" #2 Electric Dimmers 80-85
- 5 3'-5"
- 6 4'-0" #1 Legs
- 7 5'-0"
- 8 5'-5"
- 9 6'-0"
- 10 6'-6"
- 11 7'-0"
- 12 7'-5" #2 Border
- 13 8'-6" Mid Stage Traveler Traveler Pull SR
- 14 9'-5" #3 Electric Dimmers 86-103
- 15 10'-6" #4 Electric Dimmers 104-109

- 16 11'-6"
- 17 12'-0"
- 18 12'-6"
- 19 13'-0" #3 Border
- 20 13'-6" #3 Legs
- 21 14'-5" #5 Electric Dimmers 110-124
- 22 15'-5"
- 23 15'-11"
- 24 16'-5"
- 25 17'-0"
- 26 17'-5" #4 Border
- 27 17'-11" Upstage Traveler Traveler Pull SR
- 28 19'-4" #6 Electric Dimmers 125-136
- 29 25'-9" #7 Electric Curved, SL/SR at +19'-0"