

Technical Information for

# Lydia Mendelssohn Theatre

Version current as of September 2019

## 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
<i>Total capacity (including accessible seating)</i>	<i>620</i>

## 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' (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"  
Minimum pipe length 36'-6"  
Arbor capacity 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, white 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 (Operating System 2.7.2) Nomad Puck w/ two (2) touch screen displays

One (1) ETC Radio focus remote

ETC Net3 ports located throughout the hall

*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 - Any dimmer 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° Three (3) 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° Three (3) ETC Source Four LED Lustr 2 26°
Cove #1	Fourteen (14) ETC Source Four LED Lustr 2 19°
Cove #2	Eight (8) 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 Eight (8) ETC Source Four PAR WFL 575w Two (2) Altman LED Work Lights
#2 Electric (Lineset 4)	Four (4) 6' ColorBlaze 72 RGB LED Strips
#3 Electric (Lineset 14)	Six (6) ETC Source Four 36° 575w Two (2) Altman LED Work Lights Eight (8) ETC Source Four PAR WFL 575w
#4 Electric (Lineset 15)	Four (4) 6' ColorBlaze 72 RGB LED Strips
#5 Electric (Lineset 21)	Six (6) ETC Source Four 36° 575w Eight (8) ETC Source Four PAR WFL 575w
#6 Electric (Lineset 28)	Six (6) ETC Source Four 36° 575w Eight (8) ETC Source Four PAR WFL 575w Two (2) Altman LED Work Lights
#7 Electric (Lineset 29)	Six (6) 6' ColorBlaze 72 RGBA LED Strips

## **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

Four (4) ETC Source Four PAR 575w (VNSP, NSP, MFL, WFL, XFL lenses available)

Six (6) Color Blaze 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) Mackie CR1604-VLZ mixer - 16 channel inputs / 6 output

Three (3) Rane ME15 equalizer

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

Three (3) QSC 1200 amplifiers

One (1) Marantz cd/cassette PMD 350

One (1) Technics DA-10 dat tape deck

Two (2) Denon CD player DN-c615

One (1) Tascam minidisc player MD 301 MKII

## **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**

One (1) Audio-Technica 803A lapel microphone  
One (1) Electro-Voice 647CL lavalier  
Four (4) Electro-Voice 635A lo-z microphone  
Two (2) Shure SC4 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**

<i>Speaker Line #</i>	<i>Location</i>
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) Beyer DT-108 single muff headsets  
Three (3) Clear-Com CC-75 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  
Six (6) Freespeak II wireless double belt packs

## **Video**

Two (2) cameras camera)	One (1) color fixed on balcony rail pointing at the stage One (1) black and white - portable (typically used for conductor
Ten (10) 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 Two (2) portable 23" Color CRT on Cart One (1) portable 9" black and white, typically on SR sound platform One (1) located in wig and makeup room

## **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

Three (3) 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:

<i>Line Set #</i>	<i>Distance from Plaster</i>	<i>House Hang</i>	<i>Notes</i>
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"