House Specifications
Mailing Address:
University Productions
911 N. University
Ann Arbor, MI 48109-1265

Venue Address:
121 N. Fletcher Street
Ann Arbor, MI 48109-2017

Seating Capacity:
  Orchestra 914
  Orchestra wheelchair spaces 12
  Balcony 455
  Total capacity 1369

Load-in Access
Location off East Huron
Loading Doors 18’ x 12’

Conference Equipment
Tables and Skirting
  Three (3) 30” x 4’ conference tables
  Four (4) 30” x 8’ conference tables
  Two (2) 13’ royal blue table skirts
  Two (2) 21’ royal blue table skirts

Stage Specifications
Proscenium arch width 55’-3-3/4”
Proscenium arch height 28’
Depth of stage 42’
  (from curtain line to back wall)
Depth of apron 2’
  (front of stage to curtain line)
Off stage dimensions
  stage right 18’
  stage left 22’-3”
Dimensions of orchestra pit 31’ x 8’
Note: Orchestra pit is a hydraulic lift to stage level with four stops - stage level, house level, 7’-8” below house level, 14’ below house level.
Stage floor - Unpainted masonite on tongue-and-groove pine resting on sleepers.

Stage extension (use of Orchestra Pit at stage level)
NOTE - Use of the stage extension requires a loss of seating with additional labor charges for set-up and removal.
  Seating covered:
    Sections 1-5 Rows A-C
  Also recommended not to sell:
    Sections 1-5 Row D

Soft Goods:
Note: all draperies are black velour unless otherwise noted.
Front Curtain - manual, takes two (2) people, flies out, does not open center, follows apron, gold-checked color
House Drapery Hang: see house line plot for line set location
  One (1) Teaser 60’w x 25’h
  One (1) Cyclorama 60’w x 38’h
    (unbleached muslin)
  One (1) Rosco RP screen 60’w x 39’h
    “Twin White” (cannot move)
  One (1) Border/Blackout 60’w x 30’h
  Four (4) Borders 60’w x 15’h
  Four (4) Legs 12’w x 40’h
  Four (4) Legs 17’w x 40’h
  One (1) Traveler track
  Two (2) Travelers 25’w x 40’h
    hung with two (2) tabs 4’-3”w x 40’8”h
  Four (4) Travelers 32’w x 30’h
    (dead hung and cannot move)
Additional drapery:
  One (1) Scrim, white sharkstooth 60’w x 30’h
  Two (2) Scrim, black sharkstooth 50’w x 28’h
  Two (2) Orchestra pit drapes
    (one full length velour, one short Duvatine)
  Eight (8) Tabs 6’w x 30’h
  Four (4) Tabs 9’w x 30’h
  Two (2) Legs 15’w x 40’h
  Eight (8) Legs 17’-9”w x 30’h
  Two (2) Traveler Panels 31’-3”w x 30’h
  One (1) Border 50’w x 15’h
  One (1) Border 70’w x 7’-5”h
  One (1) Border (for Elec. A) 41’w x 15’h

Rigging:
Number of line sets 65
Height of grid from stage floor 80’
Highest batten can be flown 75’
Lowest batten can be flown 3’
Height of fly gallery and pin rail 40’ from stage floor
Distance from back wall to last set 11’-6”
Minimum pipe length 45’
Height of legs 40’

Arbor Information
  Total length 8’
  Loading clearance 1’
  Usable length 7’
  Full weight 25 lbs, 2-1/8” tall
  1/2 weight 12 1/2 lbs., 1” tall
  Arbor capacity 39 full weights @ 975 lbs.
<table>
<thead>
<tr>
<th>Line set # from plaster</th>
<th>Description</th>
<th>Notes</th>
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<tbody>
<tr>
<td>(3’-6”)</td>
<td>House Curtain</td>
<td>DS of plaster</td>
</tr>
<tr>
<td>C</td>
<td>0’-3”</td>
<td>C</td>
</tr>
<tr>
<td>B</td>
<td>1’-5”</td>
<td>B</td>
</tr>
<tr>
<td>A</td>
<td>2’-8”</td>
<td>A</td>
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<tr>
<td>3’-2”</td>
<td>Dead hung torm panels w/black velour</td>
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<td>Dead hung traveler track w/pleated black velour drapes</td>
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<td>1</td>
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<td>4</td>
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<td>5</td>
<td>8’-0”</td>
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<tr>
<td>6</td>
<td>8’-6”</td>
<td>#3 Electric strips</td>
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<td>#9 Electric</td>
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<td>Leg #4</td>
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<td>42</td>
<td>28’-0”</td>
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</tbody>
</table>

**Lighting System**

**Location of company switch:**
USR wall —110/208 3 phase 5 wire, 2 breakers @ 400 amps each

Note: Access to this power is ONLY via 400 amp locking CamLocks ; Crouse-Hinds model #E0400-1687 female panel

**Lighting Control:**
One (1) ETC Obsession II (in booth)
Two (2) ETC remote focus units w/extension cable
One (1) ETC remote video interface w/2 color monitors
One (1) ETC full remote interface (rfu, video, dmx512)
ETCnet and DMX ports distributed throughout. See circuit chart for details.

**Dimmers:**
Four Hundred Seventy-Two (472) ETC 2.4 KW Sensor dimmers
Four (4) ETC 6.0 KW Sensor dimmers
House lights controlled through ETC Unison System

**Circuit/Dimmer Locations:**
See attached plan of circuit chart.
Lighting Inventory:

Racks: Total bodies - Two-hundred fifteen (215)
Fifteen (15) 50° Source Fours (equiv. to 4.5 x 6), 575 watt HPL
Fifty (50) 36° Source Fours (equiv. to 6 x 9), 575 watt HPL
One Hundred Nine (109) 26° Source Fours (equiv. to 6 x 12), 575 watt HPL
Fifty-Five (55) 19° Source Fours (equiv. to 6 x 16), 575 watt HPL
Forty-Four (44) Source Four PAR with wide, medium, narrow and very narrow lenses
Fifty-One (51) PAR 64 Altman steel with wide, medium and very narrow lamps available
Ten (10) MR-16 L&E striplights 3 circuit/5 pairs lamps, 6’ long, EYC and EYF available
Twenty (20) PAR 56 8’ strip lights, medium flood, 500 watt, 3 circuit, 12 light units with flippers
Two (2) striplights, 8’ long, R40 500 watt, 3 circuits/4 lamp
Ten (10) Orion 3 circuit “far cyc” units, 1,000 watt FCM
Ten (10) Orion 1 circuit “far cyc” units, 1,000 watt FCM
Eight (8) LE Mini 10 units 1K

#0 Ring:
Two (2) 19° Source Fours, 575 watt HPL

#1 Ring:
Forty (40) 10° Source Four, 575 watt HPL

#2 Ring:
Twenty (20) 10° Source Four, 575 watt HPL
Twenty (20) 5° Source Four, 575 watt HPL
Eleven (11) 6 x 22 Altman 360Q ERS with iris & gobo slot, 1000 watt FEL lamp
Three (3) Lycian Superstar HMI Followspots

Box Booms:
Ten (10) 14° Source Four, house left, 575 watt HPL
Ten (10) 14° Source Four, house right, 575 watt HPL

Top unit at +26’ W / 2’ spacings down
Six (6) 15° to 30° degree Source Four Zooms, house left, 575 watt HPL with 1/2 Hats
Six (6) 15° to 30° degree Source Four Zooms, house right, 575 watt HPL with 1/2 Hats

Lighting Cable:
Twenty-Nine (29) 5’ stage cables
Forty-Three (43) 10’ stage cables
Fifty-Five (55) 25’ stage cables
Fifteen (15) 50’ stage cables
Seven (7) 75’ stage cables
One (1) 100’ stage cable
Fifty-Six (56) 20 amp 2-fers
Seven (7) 20 amp 3-fers

Ten (10) 20 amp 3-fers blocks
One (1) 50 amp 2-fer
Thirty-Five (35) 100’ 6 channel #12 multi w/Socopex connectors
Twenty (20) 75’ 6 channel #12 multi w/Socopex connectors
Thirty-Five (35) 50’ 6 channel #12 multi w/Socopex connectors
Four (4) 25’ 6 channel #12 multi w/Socopex connectors
Eighty (80) 6 channel staggered breakouts w/female stage pin
Eight (8) 6 channel x-ray staggered breakouts
Twenty (20) 6 channel breakouts w/female stage pin
Twenty (20) 6 channel breakouts w/male stage pin

Data Cable:
Five (5) 5’ 4-pin data cable
Eight (8) 10’ 4-pin data cable
Four (4) 25’ 4-pin data cable
Four (4) 50’ 4-pin data cable
Six (6) 100’ 4-pin data cable
One (1) 10’ 5-pin data cable
Nine (9) 25’ 5-pin data cable
One (1) 30’ 5-pin data cable
Three (3) 50’ 5-pin data cable
Two (2) 75’ 5-pin data cable
Two (2) 100’ 5-pin data cable

Accessories:
Twenty-Two (22) Color Ram IIs-Use limited to Source Four units. 1,500’ of control cable.
Two (2) 24-Way Color Ram Power Heads, one with c-clamps
Twenty-Two (22) 7.5” Mounting plates
Twenty-Two (22) 6.25” Mounting plates
Twenty (20) additional 19° Source Four barrels
Eight (8) additional 36° Source Four barrels
Seventeen (17) Source Four iris units
Forty-Five (45) Source Four top hats
Sixty (60) Source Four color extenders
Template holders (Source 4, Altman, Great American)
Sixteen (16) Mini-Ten color extenders
Eighteen (18) Mini-Ten frames

Audio Visual Equipment
One (1) 9’ x 12’ front or rear projection screen with side & bottom drapes
House Sound System

Console
One (1) 16 channel mixing board, Soundcraft K1 (in booth)
One (1) 8 channel mixing board, Yamaha MC802 (portable)
Four (4) Crest CC301 amps (outputs to speaker patch bay)
Four (4) Rane GE-60 graphic EQ’s (normaled to Rane EQ’s)
One (1) patch bay w/28 patch cords
One (1) headset, stereo

Playback Devices
Two (2) cassette tape decks, Tascam 122 mkIII (in road case)
Two (2) dat tape decks, Tascam DA-30 mkII (in road case)
One (1) cassette tape deck, Technics RS-TR555 (portable)
One (1) compact disc, Tascam CD-401 mkII (in road case)
One (1) minidisc player Sony MDS-E10 (in road case)

Speakers
One (1) EV DeltaMax 1152/1122 speaker cluster
(permanently mounted above stage center at proscenium)
Four (4) Electro-Voice DeltaMax 1122A
Eight (8) EV Sentry IIA
Six (6) 50’ speaker cables (Speakon connectors)
Fifteen (15) 25’ speaker cables (Speakon connectors)
Fifteen (15) 10’ speaker cables (Speakon connectors)
One (1) audio snake, 100’ long 8 x 4 channels

Monitor
One (1) booth program monitor
One (1) Crest CC301 amps
Two (2) JBL Control 3 speakers (mounted on wall in booth)

Microphones and Accessories
Three (3) wireless microphone systems
Two (2) portable racks
One (1) Shure receiver SC-4
Two (2) Shure UHF-R receivers
Three (3) SM-58 wireless transmitters (176.200 Mhz & 2 UHF)
Three (3) lavaliel transmitters (176.200 MHz & 2 UHF)
Six (6) AKG 451 condensers, w/shotgun capsule
Six (6) AKG shock mount, small
Six (6) AKG shock mount, large
Four (4) Electro-Voice RE15
Four (4) Electro-Voice RE50
Two (2) Shure SM58
Two (2) Shure SM58 w/on-off switch
Twenty-Five (25) Microphone cables
Two (2) Shure shock microphone mounts
Six (6) Cocoon floor mount “microphone mouse”
Four (4) microphone stands, desk
Eight (8) microphone stands, floor round base
Two (2) microphone stands, boom attachments
Three (3) 18” gooseneck microphone stands

Microphone jack outlets

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<th>Mic line #</th>
<th>Location</th>
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<tr>
<td>1 - 2</td>
<td>stage lip DSR</td>
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<tr>
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<td>stage lip DSL</td>
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<tr>
<td>8 - 11</td>
<td>Proscenium wall SR</td>
</tr>
<tr>
<td>12 - 15</td>
<td>Proscenium wall SL</td>
</tr>
<tr>
<td>16 - 17</td>
<td>USR wall</td>
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<tr>
<td>18 - 19</td>
<td>USL wall</td>
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<tr>
<td>20 - 23</td>
<td>Patch Panel SR</td>
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<td>24 - 27</td>
<td>O-Ring</td>
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<tr>
<td>28 - 30</td>
<td>1st Ring center</td>
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<tr>
<td>31 - 32</td>
<td>2nd Ring HL of followspot booth</td>
</tr>
<tr>
<td>33 - 34</td>
<td>2nd Ring HR of followspot booth</td>
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<tr>
<td>35</td>
<td>Light Booth</td>
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<td>stage lip DSR</td>
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Speaker outlets

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<td>Left &amp; Right Program</td>
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<td>stage lip SL</td>
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<td>3, 5, 7</td>
<td>proscenium wall SR</td>
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<tr>
<td>4, 6, 8</td>
<td>proscenium wall SL</td>
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<tr>
<td>9 &amp; 11</td>
<td>USR (up stage right)</td>
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<td>10 &amp; 12</td>
<td>USL (up stage left)</td>
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<td>14</td>
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<td>rear of orchestra HR (sec. 2)</td>
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<td>rear of balcony ceiling HR (sec. 7)</td>
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<tr>
<td>23 - 26</td>
<td>1st ring center</td>
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<tr>
<td>27 - 28, 31</td>
<td>2nd ring HL of followspot booth</td>
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<tr>
<td>29 - 30, 32</td>
<td>2nd ring HR of followspot booth</td>
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<td>33</td>
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<td>lobby floor HL</td>
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<td>36</td>
<td>lobby floor HR</td>
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<td>37 - 38</td>
<td>cluster amp rack</td>
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<td>39</td>
<td>vomitory entrance HL</td>
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<tr>
<td>40</td>
<td>vomitory entrance HR</td>
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<td>41 - 42</td>
<td>sound booth rack</td>
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COMMUNICATION SYSTEM

Headset System
Twenty-Five (25) Beyer DT-108 single muff headsets
Three (3) Clear-Com KB-112 squawk box
Fifteen (15) Clear-Com RS-501 single channel belt packs
Five (5) Clear-Com RS-502 double channel belt packs
Four (4) Telex wireless double channel belt packs
Sufficient headset cable for most applications.

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

Video
Two (2) cameras - One (1) fixed in booth, One (1) in orchestra pit
One (1) Black/White monitor available for stage manager SR
One (1) Color monitor available for stage manager SR
Four (4) color monitors for late seating, two (2) on orchestra level outside lobby doors HR & HL, two (2) on balcony level HR & HL above doors on bridge

INFORMATION SYSTEM

Wired: Ethernet 10 and 100 Base-T — Jacks are located throughout building (stage and lobby) and may be used by arrangement in advance.

Note: All wired network circuits are protected by the School of Music, Theatre and Dance's firewall. This firewall is part of UM's Virtual Firewall. Please verifying in advance that your needed services are available by contacting the SMTD's firewall manager at (734) 936-5565 or hpr@umich.edu

Wireless: U-M Wireless on-stage and in the auditorium, lobby and dressing rooms. Please refer to http://www.itcom.itd.umich.edu/wireless/ for information regarding access and settings

REMovable SEATING

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<tr>
<td>E</td>
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<td>B</td>
<td>1, 3, 2</td>
<td>Orch/HR Vom</td>
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<td>1, 3, 5, 7</td>
<td>HR Vom</td>
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Section 3
A   1, 3, 4, 2  Orch pit
B   1, 3, 5  Orch pit
C   2, 4, 6  Orch pit
D & E 1, 3  Orch pit
D & E 5, 7, 6  Orch pit
D & E 2, 4  Orch pit
F   1, 3, 5, 7  Orch pit
F   2, 4, 6, 8  Orch pit

Section 4
B   1, 3, 2  Orch/HL Vom
C   1, 3, 4, 2  Orch/HL Vom
D   2, 4  HL Vom
E   2, 4, 6  HL Vom
F   1, 3, 5  HL Vom
F, G & H 2, 4, 6, 8  HL Vom
J, K & L 2, 4, 6  HL Vom

Section 5
D   1, 2  HL Vom
E   1, 3, 2  HL Vom

DRESSING ROOMS

Note: Washer and Dryer (2 each) located in trap room. All dressing room access USR.

One Flight Above Stage Level:
Two (2) Dressing Rooms - Each with seating and mirrors for four performers with toilet, basin and shower.

Stage Level:
Two (2) Dressing Rooms - Each with seating and mirrors for four performers with toilet, basin and shower.

One Flight Below Stage Level:
Small Ensemble Room - seating and mirrors for 15 performers, showers, basins, and toilets.
Large Ensemble Room - seating and mirrors for 24 performers, showers, basins, and toilets.

Note: The wall between ensemble rooms is removable to make one large space.
**Miscellaneous Equipment**

Fifteen (15) Loose hemp lines, 5/8”
One (1) hoist, 1/2 ton, electric
One (1) one-ton CM chain motor w/60’ chain
One (1) bull winch
Three (3) hand trucks
One (1) upright grand Yamaha piano with bench  
(Additional charge for moving and tuning)
Three (3) costume racks
Two (2) 30” X 6’ prop tables
One (1) 24” paper cutter
One (1) United States flag with pole & floor stand
One (1) State of Michigan flag with pole & floor stand
One (1) University of Michigan seal  
(for officially sanctioned events)

**Ladders**

One (1) 8’ Step ladder
One (1) 10’ Step ladder
One (1) 12’ Step ladder
One (1) 16’ Step ladder
One (1) A-frame ladder on dolly (min. 16’h, max. ext. 28’h)
One (1) Genie personnel lift (max. platform height 30’) - 
requires current lift certification for use

**Orchestra Pit**

Sixty (60) music stands
Sixty (60) music stand lights
One (1) conductor’s stand
Sixty (60) black Wenger orchestra chairs
Thirty (30) padded chairs
Twenty (20) bent plywood chairs