State Theatre
805 Hennepin Avenue
Minneapolis, MN 55403

CONTACTS
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LOADING FACILITIES

Load-in Door Size: 6’ 9.75” wide x 8’ 8.5” high

Location: 8th Street between Hennepin and LaSalle

*A police officer is used to control traffic.

Elevator Location: SR
Elevator Door Size: 4’ wide x 7’ high
Elevator Compartment Size: 5’ 4” wide x 8’ 1” high
Proscenium Opening: 45' 7½" wide x 25' 7" high

Stage Depth
Lip of apron to plaster line: 32"
Lip of apron to back wall: 35' 9"
Depth of smoke pocket: 6"
Curtain line to back wall: 31' 4"
Apron to curtain line: 39"
Proscenium wall to back wall columns: 33' 4"
Lip of stage to FOH: 105'

Stage Width
SR wall to fly floor SL: 82' 5"
SL Wing: 11' 5"
SR Wing: 23' 3"

Distance from center stage to:
Fly floor SL: 34' 5"
Wall SR: 48'

Stage Height
Stage to Grid: 65' 4"

Plaster line center stage to:
First row of seats: 14' 6"
First Balcony BB: 64'
Second Balcony BB: 70'
Balcony rail center: 59' 10"
Balcony rail sides: 48'
Cove position: 62' 9"
Booth: 134'
FLY SYSTEM & RIGGING

Single Purchase Counterweight System

**Arbor Capacity:** 1,200 pounds; 40,000 pounds available

**Number of line sets:** 60, 6-line sets in 32' of fly space

**Length of pipes:** 57'

**Stage to grid:** 65' 4"

**Maximum fly height:** 62' 10"

**Distance from curtain**
to first set of lines: 7"
to last set of lines: 30' 8½"

**Lockrail:** Stage Level (SL)

**Pin Rails:** 31' 2" above stage floor left and right
5/8 rope sheaves, 7,000' hemp. (100)

**SOFT GOODS**

**Teal House Teaser:** 20' x 60'

**Teal House Curtain:** Hangs 1' 3" from proscenium wall

**Five Black Borders:** 12' x 60'

**Five Sets of Black Legs:** 30' x 13'

**Black Backdrop:** 30' x 64'

**White Leno Cloth Cyc:** 28' x 60'

**Black Sharkstooth Scrim:** 28' x 60'

**Line Set Distance from Proscenium Wall**

<table>
<thead>
<tr>
<th>Line Set</th>
<th>Distance from Proscenium Wall</th>
<th>Typical Lineplot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1' 3&quot;</td>
<td>House Curtain</td>
</tr>
<tr>
<td>2</td>
<td>1' 10&quot;</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2' 4&quot;</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2' 10&quot;</td>
<td>(muled, pulled between line sets 30 and 31)</td>
</tr>
<tr>
<td>5</td>
<td>3' 4&quot;</td>
<td>1st Electric</td>
</tr>
<tr>
<td>6</td>
<td>4' 2&quot;</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>4' 4&quot;</td>
<td>SR Leg</td>
</tr>
<tr>
<td>8</td>
<td>4' 10&quot;</td>
<td>SL Leg</td>
</tr>
<tr>
<td>9</td>
<td>5' 5&quot;</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>5' 11&quot;</td>
<td>Border</td>
</tr>
<tr>
<td>11</td>
<td>6' 5&quot;</td>
<td>SR Leg</td>
</tr>
<tr>
<td>12</td>
<td>7' 0&quot;</td>
<td>SL Leg</td>
</tr>
<tr>
<td>13</td>
<td>7' 6&quot;</td>
<td>Movie Screen</td>
</tr>
<tr>
<td>14</td>
<td>8' 0&quot;</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>8' 6&quot;</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>9' 1&quot;</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>9' 7&quot;</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>10' 1&quot;</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>10' 8&quot;</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>11' 2&quot;</td>
<td>Border</td>
</tr>
<tr>
<td>21</td>
<td>11' 8&quot;</td>
<td>SR Leg</td>
</tr>
<tr>
<td>22</td>
<td>12' 2&quot;</td>
<td>SL Leg</td>
</tr>
<tr>
<td>23</td>
<td>12' 9&quot;</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>13' 3&quot;</td>
<td>2nd Electric</td>
</tr>
<tr>
<td>25</td>
<td>13' 9&quot;</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>14' 3&quot;</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>14' 10&quot;</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>15' 4&quot;</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>15' 10&quot;</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>16' 5&quot;</td>
<td>Black Scrim</td>
</tr>
<tr>
<td>31</td>
<td>16' 11&quot;</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>17' 5&quot;</td>
<td>Border</td>
</tr>
<tr>
<td>33</td>
<td>18' 0&quot;</td>
<td>4th Legs</td>
</tr>
<tr>
<td>34</td>
<td>18' 6&quot;</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>19' 0&quot;</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>19' 7&quot;</td>
<td></td>
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<tr>
<td>37</td>
<td>20' 2&quot;</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>20' 7&quot;</td>
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<tr>
<td>39</td>
<td>21' 2&quot;</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>21' 8&quot;</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>22' 2&quot;</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>22' 8&quot;</td>
<td>3rd Electric</td>
</tr>
<tr>
<td>43</td>
<td>23' 3&quot;</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>23' 9&quot;</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>24' 3&quot;</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>24' 10&quot;</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>25' 4&quot;</td>
<td>Border</td>
</tr>
<tr>
<td>48</td>
<td>25' 10&quot;</td>
<td>5th Legs</td>
</tr>
<tr>
<td>49</td>
<td>26' 4&quot;</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>26' 11&quot;</td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>27' 5&quot;</td>
<td>(muled, pulled after line set 60)</td>
</tr>
<tr>
<td>52</td>
<td>27' 11&quot;</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>28' 5&quot;</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>28' 11&quot;</td>
<td>Cyc Lights</td>
</tr>
<tr>
<td>55</td>
<td>29' 5&quot;</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>29' 11&quot;</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>30' 6&quot;</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>31' 0&quot;</td>
<td>White Bounce</td>
</tr>
<tr>
<td>59</td>
<td>31' 6&quot;</td>
<td>Full Stage Blackout</td>
</tr>
<tr>
<td>60</td>
<td>32' 1&quot;</td>
<td></td>
</tr>
</tbody>
</table>
PROP INFORMATION

RISERS
4x8 Risers: 14
8 inch legs: 48 (8 risers)
12 inch legs: 30 (5 risers)
16 inch legs: 60 (10 risers)
24 inch legs: 30 (5 risers)
32 inch legs: 30 (5 risers)
40 inch legs: 10 (1 riser)
49 inch legs: 12 (2 risers)
55 inch legs: 6 (1 riser)

WARDROBE
House washers and dryers: 2 each
Steamers: 2
Iron and board: 1 each
Rolling wardrobe racks: 9

ORCHESTRA PIT SIDE VIEW

PIT HAS THREE LEVELS: Level 1 – Main floor seating level, which allows you to have 30 seats in pit (15 seats on each side of the center line); Level 2 – Stage level, which makes for a thrust; and Level 3 – Pit struck to accommodate orchestra.

ORCHESTRA PIT TOP VIEW

HANDICAPPED LIFT

UNDER STAGE

OPEN AREA

STATE THEATRE • MINNEAPOLIS, MINNESOTA
**ELECTRICAL/LIGHTING**

**ELECTRICAL POWER**
600 amp 3 phase, 4 wire 208v company switch–SR.
400 amp 3 phase, 4 wire 208v company switch–SR.
200 amp 3 phase, 4 wire 208v company switch paralleled
USL and USR (typically audio power).
All sound power is transformer isolated and distributed to
company switches.
Mix position is Back of House, 16' wide x 7' deep.
Console/Control Snake Run – 200 feet, pulled from
orchestra pit underneath center aisle.

**LIGHTING EQUIPMENT**

**HOUSE CONSOLE AND DATA DISTRIBUTION**
ETC Expression
ETC Gio console with 24576 outputs
ETC Standard Fader Wing: Eos FW 20
ETC Nomad USB dongle with 6144 outputs

ETC Net3 infrastructure:
• multiple professionally-installed cat5e dry lines to USR, USL, DSR, DSL, BOH mix position, mid-house tech position, and dimmer racks
• multiple DMX nodes at above positions manageable through ETC Response Mk2 DMX Gateways
• DMX dry lines also available

5 – City Theatrical Multiverse SHOW Baby
2 – Touch displays: Viewsonic TD2220
MA Lighting grandMA series 1 console

**STAGE DIMMING AND POWER DISTRIBUTION**
ETC Sensor3 Dimmers:
56 – routed to mid-SR patch panel for FOH lighting poition circuits
144 – hardwired to stage circuits
60 – TR20AF dimmer/relay/120V constant current modules
(120 dimmers)
40 – D20E dimmer modules (80 dimmers)
All controllable by DMX or sACN

**STAGE CABLE**
Hardwired 12/14 6-circuit multicable drop lines with stagepin breakouts
3 – SL
19 – SR

12 AWG SO stagepin cable:
50 – 5’
50 – 10’
25 – 25’
14 – 50’
2 – 100’
50 – twofers
Available adapters to and from Edison/U-ground

5-pin XLR DMX cable:
8 – 5’
6 – 25’
2 – 50’
2 – 100’
2 – 250’

**FOLLOWSPOTS**
3 – Lycian 1295 ELT with 3kW lamps
1 – Lycian 1290 XLT with 2.5kW lamp

**INSTRUMENTS**
ETC S4 19°
48 – in rep plot
8 – in storage

ETC S4 26°
18 – in rep plot
14 – in storage

ETC S4 36°
18 – in rep plot
6 – in storage

ETC S4 PAR
36 – in rep plot
20 – in storage
N, M, W lenses for all

3-cell CYC @ 1kW
12 – in rep plot
ELECTRICAL/LIGHTING CONTINUED

STAGE

3rd Electric
Line Set 42
22'-8" to PL

2nd Electric
Line Set 24
15'-4" to PL

1st Electric
Line Set 5
3'-4" to PL

4th Electric
Line Set 54
28'-11" to PL

BALCONY RAIL

Balcony Rail
59' 10" throw distance from Center to PL
48' throw distance from end of lighting position to PL

Cove
62' 9" Throw
Distance to PL

Key

ETC Source 4 36 deg 575w.
ETC Source 4 26 deg 575w.
ETC Source 4 Par WFL Lens 575w.
3 CELL CYC; 650w.

NOTES:
1. These Drawings are not to scale.
2. The Cove and Box Booms are hung by position, not by measurements from Center.
3. The Onstage electrics are normally hung at 18" centers.
4. Darkened fixtures are not available for shows.
CONCERT SOUND
Electro Voice Compact line array (XLC) system is flown left and right with mono under balcony and mono front fills. Subs are aux driven and ground stacked. Backstage is equipped with a 70 volt paging system. Amplifiers are EV TG-5 (high enclosures, front fill and under balcony). TG-7 (sub). IRIS control and DSP

HIGH ENCLOSURES
24 – EV XLC 127dvx speaker enclosure (12/side)

SUBWOOFER ENCLOSURES
8 – EV X-sub(F) speaker enclosure (4/side)

FLYING SYSTEM – MAIN P.A.
2 – XLC fly grid 4 – CM 2 ton motors-inverted

UNDER BALCONY SYSTEM
5 – EV Xi 1082

FRONT FILL
6 – EV Xi 1082

HOUSE AUDIO CONSOLE
1 – SD10 Live Control Surface – MADI & Single HMA
   Optic Loop
   96 Mono/Alternative inputs – includes 12 Flexi Channels
   48 Mono or up to 24 Flexi Busses Stereo Aux/Group
1 – SD Rack 56 inputs x 40 outputs
1 – Orange Box with Dante
1 – Waves Server with Waves Live Bundle
1 – MGB MADI Device (for recording)

PLAYBACK/RECORD
1 – Playback Computer (Spotify, VLC, iTunes)
1 – Tascam 01-0 CD Player
1 – Tascam DVRA-1000 high res CD Player
1 – Utility/Record Computer (Reaper, MGB, Dante, M32)

AVAILABLE SUPPORT GEAR
2 Channel Clear Com Intercom Station (wired throughout theatre)
70 Volt Backstage Paging System with Program Feed

MONITOR SYSTEM (SUBJECT TO AVAILABILITY)

OVERVIEW
56 channel, 14 mix system
(12 wedge mixes, 2 side fill mixes + cue)
3 – four mix amp racks (EV P1200 and P3000 power amplifiers)
1 – stereo side fill rack with cue (EV P3000 power amplifiers)
4 – Klark Teknik DN9848 speaker processor
2 – EQ racks
1 – processing/FX rack
Motion Laboratories Power Distribution

MIXING CONSOLE AND CASE
1 – Midas Heritage 3000 mixing console 48/4/BT
1 – Packhorse mixing console case
1 – Midas M32 mixing console

POWER SUPPLY RACK
1 – Furman PL-plus
2 – Midas P750 power supply

CONSOLE ACCESSORIES
Midas EZ-tilt console stand

EQ RACK #1 (8 MIX)
4 – Klark Teknik DN370 EQ

EQ RACK #2 (6 MIX)
3 – Klark Teknik DN370 EQ

PROCESSING/FX RACK
1 – Furman PL-plus
1 – Yamaha SPX2000
1 – TC Electronics Reverb 4000
2 – Klark Teknik DN504+ compressor
   (4 channels each/8 total compressors)
1 – Klark Teknik DN514+ noise gate
   (4 channels/4 total gates)
1 – Tascam DVRA1000 audio/dsd master recorder

MONITOR SPEAKERS
8 – EV XW12A floor wedge
10 – EV XW15A floor wedge
2 – EV XI-1183A/64 side fill
SOUND CONTINUED

WIRELESS RACK #1 (SUBJECT TO AVAILABILITY)
1 – Furman PL-plus
4 – Shure UR4D dual wireless receivers
   (8 channels of wireless)
8 – Shure UR2 handheld wireless transmitters
   with SM58 capsules
8 – Shure UR1 bodypack transmitters (for use with Shure
   WL184 lavaliere microphones or Countryman E-6
   headset mics)
1 – Shure UA845 UHF antenna distribution system
   (1/2 wave, active directional, and Helical antennas
   available)
2 – Tripp Lite power modules rs-1215

WIRELESS RACK #2 (SUBJECT TO AVAILABILITY)
1 – Furman PL-plus
5 – Shure UR4D dual wireless receivers
   (10 channels of wireless)
10 – Shure UR2 handheld wireless transmitters
   with SM58 capsules
10 – Shure UR1 bodypack transmitters (for use with Shure
   WL184 lavaliere microphones or Countryman E-6
   headset mics)
1 – Shure UA845 UHF antenna distribution system
   (1/2 wave, active directional, and Helical antennas
   available)
1 – Tripp Lite power module rs-1215

MICS FOR WIRELESS SYSTEM
(SUBJECT TO AVAILABILITY)
2 – Shure KSM9 capsules for UR2 handheld transmitters
1 – Electrovoice RE510 capsule, compatible with Shure
   UR2 handheld transmitters
18 – Shure WL184 lavaliere microphones
26 – Countryman E-6 miniature headset mics-cocoa
   (cablecets available for both Shure and EV beltpacks)
4 – Countryman B-6 lavaliere microphone-cocoa
1 – Countryman B-6 lavaliere microphone-cocoa wired to
   Sennheiser specification with a Lemo connector
2 – Telex sub miniature lapel microphones
   (ELM 33S, ELM 22S)
9 – EV RE92TX lav/instrument microphone

MICROPHONES

DYNAMIC MICROPHONES
2 – Audix D6
2 – DPA d:facto ll
2 – EV ND44
1 – EV ND46
1 – EV ND68
3 – EV ND76
4 – EV ND767-a
2 – EV ND96
1 – EV PL80a
2 – EV RE20
1 – EV RE320
2 – Heil PR-31BW
6 – Sennheiser 421
6 – Sennheiser e604
2 – Sennheiser e609
2 – Shure Beta 52a
6 – Shure SM57
8 – Shure SM58
4 – Shure SM58 Switch

CONDENSER MICROPHONES
4 – AKG 451
2 – AKG 414
2 – Audio Technica 4050
4 – Crown PCC 160
8 – DPA 4099
4 – EV ND66
6 – EV RE92H
2 – Shure Beta 91
2 – Shure KSM32
4 – Shure SM81
2 – Shure MX418 Gooseneck
1 – Rode NT2a

DI’S
4 – Countryman DI
4 – Radial J48
2 – Radial JDI
3 – Radial Stereo JDI
1 – Radial USB

COM
18 – Belt Packs
16 – Headsets
5 – Call Flashers
5 – Squawk Box
DRESSING ROOMS

6 – Individual dressing rooms with two mirror stations and one sink, numbered 1–6.
1 – Men's chorus room has 25 mirror stations and 4 sinks with mirrors, plus a shower room and bathroom
1 – Women's chorus room has 25 mirror stations and 4 sinks with mirrors, plus a shower room and bathroom
Commons room in basement: 60' x 26'
Wardrobe room with 2 washers and 2 dryers: 20' x 20'
SEATING INFORMATION

Main Floor: 1,286
Balcony: 662
Balcony Loge: 175
Pit: 30
Accessible Seating: 10
Total: 2,163