Technical Specifications

Technical Director:
Alex Clark
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aclark@sdsm.k12.wi.us
Facility

Dressing Rooms
1 Large dressing room
1 Medium dressing room

Dressing rooms are located behind stage right. All dressing rooms have 1 bathroom, hot/cold water, mirrors, make-up lights and monitor page. *No laundry facilities on site.*

Green Room
The SMPAC does not have a Green Room, though one can be established if needed.

Load-in door
Load-in must be accomplished through the scene shop. Scene shop is on the same level as, and is immediately adjacent to, the stage. Door from scene shop to stage is upstage center and is 7'8” wide by 14’ high. Door into the scene shop is on West side of the South Milwaukee High School off the 15th Avenue District Office parking lot. There is a hydraulic platform lift located directly in front of the Scene Shop load-in door: 5,000 lb capacity; platform dimensions 6’ X 8’; Lift travels from ground level to 59”.

Stage Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proscenium width</td>
<td>42’6”</td>
</tr>
<tr>
<td>Proscenium height</td>
<td>24’</td>
</tr>
<tr>
<td>Distance from Plaster Line To Up Stage wall</td>
<td>32’0”</td>
</tr>
<tr>
<td>Total stage depth</td>
<td>48’0”</td>
</tr>
<tr>
<td>Distance from Centerline:</td>
<td></td>
</tr>
<tr>
<td>To Stage Left wall</td>
<td>43’7”</td>
</tr>
<tr>
<td>To fly rail Stage Right</td>
<td>46’1”</td>
</tr>
<tr>
<td>Orchestra Pit below stage level</td>
<td>11’</td>
</tr>
<tr>
<td>Pit extends under stage from Down Stage edge</td>
<td>24’</td>
</tr>
</tbody>
</table>

Orchestra Pit Cover
- Pit cover is made of 8 manually removable sections
- Pit cover can hold 150 lbs./sq.ft.

Stage floor has no traps
Stage floor upstage of Plaster Line is plywood
  - Stage floor upstage of Plaster Line may be drilled
Stage floor downstage of Plaster Line is finished hardwood
  - Stage floor downstage of Plaster Line may not be drilled
Rigging

We are a full-fly facility with 23 single-purchase counterweight line sets. Grid is 50' off stage floor.

Stage Rigging Plot

<table>
<thead>
<tr>
<th>Line Set</th>
<th>Distance</th>
<th>Goods</th>
<th>Pipe Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>32'0”</td>
<td>Back Wall</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>27'1 1/2”</td>
<td>Cyc</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>25'9”</td>
<td>#4 Electric</td>
<td>22'5”</td>
</tr>
<tr>
<td>21</td>
<td>24'5 1/2”</td>
<td>Up Stage Traveler</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>23'8”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>22'8”</td>
<td>Border 5</td>
<td>30'11”</td>
</tr>
<tr>
<td>18</td>
<td>21'9 1/2”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>19'1”</td>
<td>#3 Electric</td>
<td>21'9”</td>
</tr>
<tr>
<td>16</td>
<td>17'10”</td>
<td>Legs 4</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>17'1 1/2”</td>
<td>Border 4</td>
<td>29'10”</td>
</tr>
<tr>
<td>14</td>
<td>16'6”</td>
<td>Sound Shell</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>15'9 1/2”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>14'6”</td>
<td>MidStage Traveler</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>13'7 1/2”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>13'0”</td>
<td>Border 3</td>
<td>30'0”</td>
</tr>
<tr>
<td>9</td>
<td>11'1 1/2”</td>
<td>#2 Electric</td>
<td>22'10”</td>
</tr>
<tr>
<td>8</td>
<td>9'2”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>8'6”</td>
<td>Legs 2</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>7'9 1/2”</td>
<td>Border 2</td>
<td>30'5”</td>
</tr>
<tr>
<td>5</td>
<td>6'4 1/2”</td>
<td>Sound Shell</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4'6”</td>
<td>#1 Electric</td>
<td>24'6”</td>
</tr>
<tr>
<td>3</td>
<td>3'2 1/2”</td>
<td>Legs 1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2'6 1/2”</td>
<td>Border 1</td>
<td>31'10”</td>
</tr>
<tr>
<td>1</td>
<td>1'9 1/2”</td>
<td>Main Curtain</td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>6 1/2”</td>
<td>Smoke Pockets</td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>3”</td>
<td>Fire Curtain</td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>0</td>
<td>Plaster Line</td>
<td></td>
</tr>
<tr>
<td>-</td>
<td>-6”</td>
<td>Down Stage wall</td>
<td></td>
</tr>
</tbody>
</table>

Soft Goods Inventory

3 Sets of Legs (26' x 15')
5 Borders (11' x 55')
1 Black Scrim

- Legs can be moved on and off stage.
- Legs and Borders can be moved to other line sets, added, or removed.
- Both Travelers and Main Curtain travel and fly fully out.
- Cyc flys fully out.
**Stage Equipment**

**Sound Deflection**
Wenger Legacy Acoustic Shell (x12, rolling towers)
Wenger Legacy areal deflection panels (x2, on line sets)

**Piano**
Yamaha 7’ Concert Grand
Wenger Grand Piano Truck

**Concert**
Wenger Student Music Chairs (x60, on 3 rolling racks)
Manhasset Music Stands (x60, on 3 rolling racks)
More chairs and stands available on request

**Risers**
Wenger 3-Step rolling choral risers (x7)
Various 4’ x 8’ and 4’ x 6’ platform risers available at various heights

**Podium**
Wheeled full podium
Microphone available

**Sound**

**PA Speakers**
JBL AM6215/64 2-Way PA (x6)
BagEnd Subwoofers (x2)
Mackie C300Z (x6)

**Audio Equipment**
Soundcraft Series Two Mixing Console
- 40 Mic/Line Inputs
- 4-band parametric EQ, mids sweepable
- 2 Stereo Inputs
- 4 Stereo Returns
- 8 Group Outputs
- 8 Auxiliary Outputs (Pre/Post Selectable in pairs)
- 2 Matrix Outputs
- 1 Stereo Output (Main Mix)
- 1 Mono Output
Effects Rack Equipment
- Tascam CD-RW402 Dual CD Player / Recorder
- Yamaha SPX2000 Multi-Effects Processor
- Ashley GQX-3102 1/3 Octave Graphic EQ (Main Mix)
- dbx 1046 Quad Compressor/Limiter (4 channels insertable)
- dbx 1066 Dual Compressor/Limiter/Gate (2 channels insertable)
- Shure SLX4 Wireless Receivers (x2)
- Clear-Com Base Station
- ParaSound Zamp Zone Amplifier (Booth Monitor)

Amp Rack Equipment
- Audio-Technica AEW-R4100 Wireless Receivers (x8)
- Audio-Technica ATW-DA600 Antenna Distributors (x2)
- Miles M44 Multisonic Imager
- Peavey Media Matrix X-Frame 88 Digital System Processor
- Peavey Media Matrix MM 8802 Break-Out Box
- BagEnd INFRA-mX2 Sub Crossover
- Rane GE30 Graphic Equalizer (x4 – Stage Sends)
- Crown CTs 1200 Amplifiers (x6 – House PAs)
- Crown CTs 3000 Amplifier (Subs)
- Crown CTs 2000 Amplifiers (x2 – Stage Sends)
- Clear-Com Power Supply
- Listen Assisted Hearing System
- TOA 900 Series II Amplifiers (x3 – Lobby Speakers and Assembly Sound System)
- Lobby Page, Chime, and Microphone Controls
- Extron System5 IP Media Switcher (Projector Control)

Microphone Patch Bay
- 32 Mic lines to Stage
- 16 Mic lines to Pit
- 4 Mic lines to Catwalk
- 8 Wireless Mic lines to Amp rack

Audio Inventory
<table>
<thead>
<tr>
<th># In Inv. Microphone</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Shure Beta 58A</td>
<td>Supercardioid Dynamic</td>
<td></td>
</tr>
<tr>
<td>4 Shure Beta 57A</td>
<td>Supercardioid Dynamic</td>
<td></td>
</tr>
<tr>
<td>1 Shure SM58S</td>
<td>Cardioid Dynamic</td>
<td></td>
</tr>
<tr>
<td>2 Shure SLX 1/WL185</td>
<td>Body Pack / Cardioid Condenser</td>
<td>Wireless</td>
</tr>
<tr>
<td>2 Audio-Technica AEW-T4100D</td>
<td>Cardioid Dynamic</td>
<td>Wireless</td>
</tr>
<tr>
<td>6 Audio-technica AEW-T1000</td>
<td>Body Pack Transmitter</td>
<td>Wireless</td>
</tr>
<tr>
<td>6 -Audio-Technica AEW-T899cL4</td>
<td>Subminiature Omnidirectional Condenser</td>
<td>For AT Trans.</td>
</tr>
</tbody>
</table>
4 CountryMan E6 Headset Subminiature Omnidirectional Condenser For AT Trans.
3 Shure SM81 Cardioid Condenser
3 Shure MX202B/C Cardioid Condenser Choir Hung on first Border
1 Audio-Technica AT825 X/Y Stereo Field Condenser Hung In-House
2 Audio-Technica AT804 Omnidirectional Dynamic
2 Audio-Technica Pro 42 Cardioid Dynamic Boundary
1 Shure Microflex MX418/C Gooseneck Cardioid Condenser Podium Mic

# In Inv. Equipment
9 Clear-Com Belt Packs and Headsets
1 Whirlwind DCT-9 Cable Tester
1 ProCo CB-1 Direct Box

Lighting

Control Equipment
ETC Express 72/144 Lighting Control Console
   1024 Controllable Addresses across 2 universes of DMX512A
   240 Controllable Channels
   24 Programmable Submasters
   600 Recordable Cues
   ETCLink Capable

ETC SmartFade 1248 Lighting Control Console
   512 Controllable Addresses across 1 universe of DMX512A
   12 Channel Two Scene Preset Mode or 48 Channel Normal Mode selectable
   99 Recordable Cues

ETC Unison (Legacy) House Lighting Control

Wired ETC Remote Focus Unit (plug-ins convenient at all lighting positions)

ETC Sensor Dimmers (166 for stage lights, 13 for work lights, 22 for house lights). ETCLink Wired.

Stage light receptacles are all Twistlock (NEMA: L5-20R).
Work light receptacles are all Edison/Parallel Blade (NEMA: 5-20R).
All Stage light dimmers are dimmer-per-circuit.

Lighting Inventory
# In Inv. Instrument Lamp Wattage Notes
10 ETC Source-4 10-degree HPL 575W
12 ETC Source-4 19-degree HPL 575W
24 ETC Source-4 26-degree HPL 575W
18  ETC Source-4 36-degree HPL  575W
4   ETC Source-4 50-degree HPL  575W
18  ETC Source-4 PAR EA HPL  575W  WFL, MFL, NSP, and VNSP Lenses available
18  ETC Source-4 PARNel HPL  575W

5   Altman Sky Cyc 3 FFT  1KW (x3)
4   BorderLight 6576 15-cell Strips R40/PAR38 150W (x5)  3 Circuits, 7.5' total length
24  Altman 14" Scoops A  750W  Work Lights

2   Lycian Super ClubSpot FLE  360W

# In Inv. Accessories
16  Source-4 “B” Template Holders
12  City Theatrical Source-4 Top Hats

Video System
Sanyo PLC-XP41 XGA Multimedia Projector, Long Zoom Lens – 2.4-4.3:1
RGB-Component connections in Booth, VGA (D-SUB) connections in Booth and Orchestra Pit.
Motorized projection screen comes down in front of Main Curtain.
JVC HR-XVC37U DVD/VCR Combo in booth.