Technical Data & Information

Milton and Tamar Maltz Performing Arts Center
1855 Ansel Road
Cleveland, OH 44106
216-368-6062
www.case.edu/maltzcenter
mpacinfo@case.edu

Case Western Reserve University
10900 Euclid Avenue
Cleveland, OH 44106
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL INFORMATION</td>
<td>3</td>
</tr>
<tr>
<td>LIGHTING EQUIPMENT</td>
<td>4</td>
</tr>
<tr>
<td>VIDEO PRODUCTION</td>
<td>5</td>
</tr>
<tr>
<td>AUDIO RECORDING</td>
<td>6</td>
</tr>
<tr>
<td>SOUND REINFORCEMENT</td>
<td>7</td>
</tr>
<tr>
<td>MICROPHONES</td>
<td>8</td>
</tr>
<tr>
<td>FURNISHINGS</td>
<td>10</td>
</tr>
<tr>
<td>ACOUSTICAL SHELL</td>
<td>13</td>
</tr>
<tr>
<td>SILVER HALL</td>
<td>14</td>
</tr>
<tr>
<td>KOCH RECITAL HALL</td>
<td>19</td>
</tr>
<tr>
<td>THE KALBERER ROOM</td>
<td>20</td>
</tr>
<tr>
<td>KESSELMAN GREEN ROOM</td>
<td>21</td>
</tr>
<tr>
<td>DRAWINGS</td>
<td>22</td>
</tr>
<tr>
<td>GRAND LECTERN</td>
<td>30</td>
</tr>
<tr>
<td>CANOPY MIC LOCATIONS</td>
<td>31</td>
</tr>
<tr>
<td>MAPS</td>
<td>32</td>
</tr>
</tbody>
</table>
General Information

HANDICAPPED ACCESS
Available via the West (side) lobby entrance. Stage access is available via the stage right wheelchair lift.
Wheelchairs and numerous disability-seating locations are available within the facility.
Assisted listening devices are available with both headset and neckloop receivers.

PARKING
Parking is available in Lot 82, which is adjacent to the west side of the building.
Additional parking is generally available in Lot 81, which is adjacent to the north side of the building.
At scheduled times, shuttles run from the Tinkham Veale University Center on campus to the West entrance.

SECURITY
Location: West Lobby Entrance
Coverage: 24 hours
A full complement of fixed ETC Selador lighting fixtures blanket the Silver Hall stage with even, warm coverage along with side and front lighting provided by Source Four fixtures. Control is centralized via a Strand Neo lighting board featuring a flat touch screen panel and iPad remote.

<table>
<thead>
<tr>
<th>Component</th>
<th>Qty</th>
<th>Description</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control board</td>
<td>1</td>
<td>Neo Lighting Control</td>
<td>Strand Lighting</td>
</tr>
<tr>
<td>Flat screen monitor</td>
<td>1</td>
<td>Touch panel</td>
<td>Strand Lighting</td>
</tr>
<tr>
<td>Flat screen touch control</td>
<td>2</td>
<td>Vision Net</td>
<td>Strand Lighting</td>
</tr>
<tr>
<td>Lighting dimmers</td>
<td>12</td>
<td>2.4k ETC digital</td>
<td>ETC</td>
</tr>
<tr>
<td>Moving canopy fixtures</td>
<td>12</td>
<td>Selador Desire D40 LED</td>
<td>ETC</td>
</tr>
<tr>
<td>Static canopy fixtures</td>
<td>88</td>
<td>Selador Desire D40 LED</td>
<td>ETC</td>
</tr>
<tr>
<td>Theatrical instruments</td>
<td>24</td>
<td>10 degree Source Four, 750w</td>
<td>ETC</td>
</tr>
<tr>
<td>Theatrical instruments</td>
<td>24</td>
<td>14 degree Source Four, 750w</td>
<td>ETC</td>
</tr>
</tbody>
</table>

*MPAC retains a strict concert/lecture plot. Any refocusing of the Source Four fixtures will incur additional charges. Static units mounted on the Acoustic Canopy are fixed and cannot be refocused.
The Maltz Performing Arts Center is equipped with the latest in camera and recording technology. Our facility allows clients to choose exactly how they wish to capture their event. We offer an entire range of possibilities; from a simple, single camera archival recording to a fully produced, multi-camera, dynamic HD video recording with the addition of livestreaming, lower third graphics, special effects and post-production editing. Our system highlights include the following:

- Five Telemetrics PTZ RoboEye cameras capture events from multiple angles
- Integrated Grass Valley Director video switcher allows for seamless transitions
- Excellent recording results from our AJA Ki Pro & Crestron Capture HD Pro units
- Distinct video presentations illuminated by Christie HD DLP laser projectors
- Multiple sources effortlessly alternate via our Analog Way Seamless Switcher
- High quality, portable Plura monitors onsite in a wide variety of sizes
Audio Recording

Our facility features a dedicated sound booth, equipped with everything a recording engineer needs in order to create the highest quality, multi-track audio recordings. Microphone placement is effortless and wide-ranging using the extensive collection of microphone stands and overhead Servoreeler lines. Likewise, signals coming from the stage are easily patched and routed using the Dante Controller software program. Our equipment highlights include the following features:

- Record up to 32 channels using ProTools software on our Apple MacBook Pro
- Millennia microphone preamps provide superior incoming signal quality
- Integrated Dante controller allows for flexible input and output patching
- Denon SD/USB Recorder available as an alternative or backup recording format
- Retractable overhead mic and filament lines allow for flexible mic positioning
- ATC nearfield speakers provide recording engineers with accurate monitoring
The Maltz Performing Arts Center meets the challenge of sound reinforcement in a seven-sided hall with the very best equipment and technology. Typical event needs are met by the use of our in-house RANE audio program along with the installed D & B speaker system. Likewise, larger events that require additional power may call upon our Yamaha CL3 digital mixing console as well as our Martin Sound MLA line array units. Here are some of our reinforcement highlights:

- Front of House mixing is accomplished using our Yamaha CL3 digital console
- Integrated Dante System and Yamaha RIO boxes for flexible patching of inputs
- D & B Voice Lift sound system and amplifiers provide excellent sound quality
- Choice of handheld, lavalier or countryman style Shure wireless microphones
- Martin Sound floor-mounted MLA line array units for live bands or big events
- Williams Sound Assisted Listening System for our hearing-impaired patrons
Microphones

Collection of a wide variety of microphones for use by our valued clients

With an extensive and ever-expanding microphone collection, the Maltz Performing Arts Center can provide our customers with the flexibility to create the best audio possible. Whether it's a high-profile speaker at the podium, a piano soloist encompassed by a symphony orchestra or a group of dynamic vocalists, the correct microphone is within easy reach. Choosing reinforcement or recording is easy; our microphones can cover any application. Common uses include:

- Schoeps Colette Series microphones provided unparalleled recording quality
- Shure Beta 87 Series wireless vocal microphones allow for freedom of movement
- Sennheiser Evolution Series microphones combine high quality and flexibility
- Audio-Technica gooseneck microphones capture the spoken voice at the podium
- Earthworks Flexwand microphones define ease-of-use for groups of voices
- Instrument microphones from Shure, Sennheiser and AKG maximize options
## Microphones

<table>
<thead>
<tr>
<th>Brand</th>
<th>Qty</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AKG</td>
<td>2</td>
<td>C414XLS</td>
<td>Large diaphragm - condenser</td>
</tr>
<tr>
<td>Audio-Technica</td>
<td>2</td>
<td>AT4021</td>
<td>Cardioid instrument - condenser</td>
</tr>
<tr>
<td>Audio-Technica</td>
<td>2</td>
<td>ES915C24</td>
<td>Gooseneck cardioid - condenser</td>
</tr>
<tr>
<td>Audix</td>
<td>2</td>
<td>MB5050</td>
<td>Carbon fiber boom - condenser</td>
</tr>
<tr>
<td>Earthworks</td>
<td>1</td>
<td>PM40</td>
<td>Piano mic system - condenser</td>
</tr>
<tr>
<td>Earthworks</td>
<td>6</td>
<td>FW730</td>
<td>Choir Flexwand - condenser</td>
</tr>
<tr>
<td>Schoeps</td>
<td>2</td>
<td>CCM2</td>
<td>Open cardioid - condenser</td>
</tr>
<tr>
<td>Schoeps</td>
<td>2</td>
<td>CCM41</td>
<td>Super cardioid - condenser</td>
</tr>
<tr>
<td>Schoeps</td>
<td>6</td>
<td>MK2</td>
<td>Omnidirectional - condenser</td>
</tr>
<tr>
<td>Schoeps</td>
<td>2</td>
<td>MK2H</td>
<td>Omnidirectional - condenser</td>
</tr>
<tr>
<td>Schoeps</td>
<td>4</td>
<td>MK21</td>
<td>Wide cardioid - condenser</td>
</tr>
<tr>
<td>Schoeps</td>
<td>2</td>
<td>MK22</td>
<td>Open cardioid - condenser</td>
</tr>
<tr>
<td>Schoeps</td>
<td>4</td>
<td>MK4</td>
<td>Cardioid - condenser</td>
</tr>
<tr>
<td>Schoeps</td>
<td>2</td>
<td>MK5</td>
<td>Switchable - condenser</td>
</tr>
<tr>
<td>Sennheiser</td>
<td>4</td>
<td>E945</td>
<td>Super cardioid - dynamic</td>
</tr>
<tr>
<td>Sennheiser</td>
<td>2</td>
<td>E906</td>
<td>Super cardioid - dynamic</td>
</tr>
<tr>
<td>Sennheiser</td>
<td>2</td>
<td>MD441-U</td>
<td>Super cardioid - dynamic</td>
</tr>
<tr>
<td>Shure</td>
<td>8</td>
<td>Beta 87A</td>
<td>Super cardioid - condenser</td>
</tr>
<tr>
<td>Shure</td>
<td>2</td>
<td>Beta 52A</td>
<td>Super cardioid - dynamic</td>
</tr>
<tr>
<td>Shure</td>
<td>4</td>
<td>Beta 98AMPC</td>
<td>Cardioid miniature - condenser</td>
</tr>
<tr>
<td>Shure</td>
<td>8</td>
<td>MX150BCTQC</td>
<td>Submini lav mic - condenser</td>
</tr>
<tr>
<td>Shure</td>
<td>4</td>
<td>MX153TOTQC</td>
<td>Countryman headset - condenser</td>
</tr>
<tr>
<td>Shure</td>
<td>8</td>
<td>MX412DC</td>
<td>Desktop cardioid - condenser</td>
</tr>
<tr>
<td>Shure</td>
<td>4</td>
<td>SM81</td>
<td>Cardioid instrument - condenser</td>
</tr>
</tbody>
</table>
Furnishings

Clients can enjoy a meal onstage in Silver Hall during meetings or conferences

Tables & Chairs

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor’s chairs</td>
<td>2</td>
<td>Steel frame, #157F091</td>
<td>Wenger</td>
</tr>
<tr>
<td>Director’s chair</td>
<td>1</td>
<td>Aluminum, #5102</td>
<td>Cantoni</td>
</tr>
<tr>
<td>Folding chairs</td>
<td>24</td>
<td>Novite, black plastic</td>
<td>KI Furniture</td>
</tr>
<tr>
<td>Metal frame chairs</td>
<td>68</td>
<td>Red fabric, #N27F53</td>
<td>Izzy</td>
</tr>
<tr>
<td>Musician’s chairs</td>
<td>135</td>
<td>Black fabric, steel frame</td>
<td>Wenger</td>
</tr>
<tr>
<td>Task chairs</td>
<td>4</td>
<td>Black fabric, adjustable</td>
<td>KI Furniture</td>
</tr>
<tr>
<td>Wood chairs</td>
<td>94</td>
<td>Custom, green fabric</td>
<td>Thos Moser</td>
</tr>
<tr>
<td>Wood chairs</td>
<td>260</td>
<td>Custom, red fabric</td>
<td>Thos Moser</td>
</tr>
<tr>
<td>Rectangular tables – 6’</td>
<td>6</td>
<td>Aluminum, brown</td>
<td>Southern Alum.</td>
</tr>
<tr>
<td>Rectangular tables – 8’</td>
<td>12</td>
<td>Aluminum, brown</td>
<td>Southern Alum.</td>
</tr>
<tr>
<td>Round tables – 5’</td>
<td>6</td>
<td>Aluminum, brown</td>
<td>Southern Alum.</td>
</tr>
</tbody>
</table>
Technical Data & Information
Milton and Tamar Maltz Performing Arts Center

Steinway & Sons Concert D grand piano shown onstage in Silver Hall

## Ensemble Furnishings

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artist grand piano</td>
<td>1</td>
<td>Model D - 9’ concert</td>
<td>Steinway &amp; Sons</td>
</tr>
<tr>
<td>Acoustical shell units</td>
<td>12</td>
<td>Wood, custom</td>
<td>Tartan Group</td>
</tr>
<tr>
<td>Artist benches</td>
<td>2</td>
<td>Spade leg, black</td>
<td>Jansen &amp; Sons</td>
</tr>
<tr>
<td>Baby grand piano</td>
<td>1</td>
<td>Model M – 6’</td>
<td>Steinway &amp; Sons</td>
</tr>
<tr>
<td>Cello chairs</td>
<td>15</td>
<td>Black, #943151</td>
<td>Wenger</td>
</tr>
<tr>
<td>Cello riser</td>
<td>1</td>
<td>Wood, #R1511082</td>
<td>Kolberg</td>
</tr>
<tr>
<td>Choir risers</td>
<td>12</td>
<td>Tourmaster, 4-step</td>
<td>Wenger</td>
</tr>
<tr>
<td>Conductor’s podium</td>
<td>1</td>
<td>Custom design</td>
<td>Reserve Millwork</td>
</tr>
<tr>
<td>Conductor’s stands</td>
<td>3</td>
<td>Acrylic, clear</td>
<td>Wenger</td>
</tr>
<tr>
<td>Conductor’s stand</td>
<td>1</td>
<td>Metal, black</td>
<td>Wenger</td>
</tr>
<tr>
<td>Ensemble stools</td>
<td>12</td>
<td>Black fabric, steel frame</td>
<td>Wenger</td>
</tr>
<tr>
<td>Music stands</td>
<td>160</td>
<td>Classic 50, black plastic</td>
<td>Wenger</td>
</tr>
<tr>
<td>Music stand lights</td>
<td>100</td>
<td>Diva D1, LED</td>
<td>Aria Lights</td>
</tr>
<tr>
<td>Sound shields</td>
<td>6</td>
<td>Acrylic, portable</td>
<td>Wenger</td>
</tr>
</tbody>
</table>
Technical Data & Information
Milton and Tamar Maltz Performing Arts Center

![Multi-height Stagetek platforms with Wenger musician's chairs shown onstage in Silver Hall](image)

**General Furnishings**

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
<th>Brand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-length mirrors</td>
<td>8</td>
<td>Brown finish, #900452</td>
<td>Coaster Company</td>
</tr>
<tr>
<td>Grand lectern</td>
<td>1</td>
<td>Custom, wood - 32” width</td>
<td>Thos Moser</td>
</tr>
<tr>
<td>Medium lecterns</td>
<td>2</td>
<td>Custom, wood - 24” width</td>
<td>Thos Moser</td>
</tr>
<tr>
<td>Stagetek platforms - small</td>
<td>4</td>
<td>Black finish - 4’d x 4’w</td>
<td>Wenger</td>
</tr>
<tr>
<td>Stagetek platforms - large</td>
<td>10</td>
<td>Black finish - 4’d x 8’w</td>
<td>Wenger</td>
</tr>
<tr>
<td>Stagetek legs – 6”</td>
<td>48</td>
<td>Black finish</td>
<td>Wenger</td>
</tr>
<tr>
<td>Stagetek legs – 12”</td>
<td>24</td>
<td>Black finish</td>
<td>Wenger</td>
</tr>
<tr>
<td>Stagetek legs – 18”</td>
<td>24</td>
<td>Black finish</td>
<td>Wenger</td>
</tr>
<tr>
<td>Stagetek legs – 24”</td>
<td>24</td>
<td>Black finish</td>
<td>Wenger</td>
</tr>
<tr>
<td>Stanchions &amp; Rope</td>
<td>16</td>
<td>Bronze, #310/841MN</td>
<td>Crowd Control</td>
</tr>
<tr>
<td>Step platforms</td>
<td>2</td>
<td>Gray carpeted – 3’ x 3’</td>
<td>Wenger</td>
</tr>
<tr>
<td>Wardrobe racks</td>
<td>4</td>
<td>Metal frame, black</td>
<td>Whitmor</td>
</tr>
</tbody>
</table>
The 13-piece acoustical shell helps performers onstage hear each other and clarifies sound for the audience.
Silver Hall
Technical Specifications

**Nominal dimensions:** 98’ L x 86’ W x 86’ H

**Standard usage:** Concerts, Lectures, Ceremonies, Presentations

**Seating capacity:** (all totals include 492 balcony seats)
- Concert stage configuration: 980
- Ensemble stage configuration: 1069
- Lecture stage configuration: 1192

**Amplification**
- Ashley NE/NXP Series
  - Series 8250 – 3
  - Series 4004 – 2
  - Series 8004 – 1
- D & B power amplifier
  - Model 10D - 2
- Joe Meek 2-channel mic preamp
  - Twin Q2 - 1
- Millennia 8-channel mic preamps
  - HV-3R Series – 6
- Yamaha digital stage boxes
  - RIO 3224-D – 2

**Assisted Listening System**
- Williams Sound System – T45
  - FM receivers – 42
  - Folding headphones – 42
  - Neckloops – 12

**Audio Control Room**
- Nearfield monitors – ATC SCM20ASL – 2
- Open-back headphones – Sennheiser HD800 – 1
- Over-ear headphones – Sony MDR-7506 - 1
- Studio monitor controller – Marshall AR-AM4-BG – 1
- Studio monitor stands – Ultimate MS9036B – 2
Audio Recording Consoles
ProTools System
   Apple MacBook Pro
   Avid HD Native
   Dante Virtual Soundcard (32 channels)
   Dante Interface – Focusrite RedNet 5 (32 channels)
   Avid HD I/O Interface
   Avid Artist Control
   Pace iLOK
 SD/USB Recorder
   Denon DN-700R - 1

Servoreeler Positioning System
   System is Crestron/iPAD compatible
   Microphone positioning lines – 12
   Filament positioning lines – 12
   Trapeze bar – 1

Sound Reinforcement Consoles
Yamaha Digital Mixing Console – CL3
   64 input channels
   24 output channels
   Dante/iPAD compatible
Rane Processor - HAL1x/EXP5
   DR6 Touchscreen control
   16 input channels
   Mute, EQ, Volume functions

Sound Reinforcement Speakers
D & B Voice Lift System – XC Series
   L & R Speaker columns - 4
   L & R Subwoofers – 2
Martin Sound Line Array System – MLA Series
   L & R Floor-standing line arrays – 4
   L & R Subwoofers – 4
Fulcrum Acoustic Vocal Monitoring System – FX Series
   Large 12” floor monitors – 2
   Small 8” floor monitors – 4
   Powered stand-mount monitors – 2
Technical Data & Information
Milton and Tamar Maltz Performing Arts Center

**Stands** - Konig & Meyer
- Short telescoping mic stand #23320 – 2
- Short mic stand with boom #25960 – 6
- Stackable mic stand #26075 – 4
- Tall tripod boom mic stand #21021 – 2
- Tripod boom mic stand short reach #25200 – 6
- Tripod boom mic stand long reach #25600 – 6

**Standard Accessories**
- CD Player – Tascam CD-200SB - 1
- Direct Box – Whirlwind DIR - 4
- Dual direct box – Whirlwind DIRECT2 - 2
- Gooseneck mic holder 18” – 2
- Gooseneck mic holder 24” - 2
- Microphone splitter – Rapcohorizon MS1 – 2
- Press box – RCI MB-AVSDI816 – 1
- Shock mounts – Audio Technica AT8410A - 10
- Tabletop mic holders – OSS DS7200B - 4

**Wireless System**
- Shure wireless quad receiver unit – ULXD4Q - 2
- Shure Beta 87A wireless handheld microphones – 8
- Shure ULXD1G50 belt pack transmitters – 4
- Shure MX150BCTQG lavalier microphones – 4
- Shure MX153TOTQG countryman-style microphones - 4

*Either belt pack (with lavalier or countryman-style microphones) or handheld microphones can be used with receivers. Presenters and performers can mix and match, with up to 8 channels per event.*

**Communications**
- Clear-Com belt packs - Helixnet HBP2X – 14
- Cue light system - Leon Audio QLM16 – 12
- Two-way radios - Motorola XPR6580 – 18

**Power tie-in**
- Company Switch – Union Connector model CS-1-123
  - Cam-Lok or bare wire connections
  - 3-phase, 400 amp
Technical Data & Information
Milton and Tamar Maltz Performing Arts Center

**Video Monitoring** – Plura monitors
Dual monitor 7” LCM-207-3G – 2
Small 19” LCM-119-3G – 2
Medium 23” LCM-123-3G – 2
Multiview 24” vectorscope MVM-124 – 1
Confidence monitors 40” DBM-140 – 2
Large screen monitors 55” DBM-155 - 2

**Video Projection**
Highlite 11k laser projector - Digital Projection WUXGA 3D
Retractable screen – 17’6” w x 9’10” h (210” w x 118” h)/16:9 aspect ratio – Draper Inc.

**Video Recording**
Camera controller and switcher - Telemetrics RCCP-1-STS – 1
Recording deck USB – Crestron Capture HD Pro - 1
Recording deck - AJA Ki Pro Rack – 2
Recording disk drives - AJA Ki-Stor 1USB – 8
Recording dock - AJA Ki-Stor Dock – 2
Robotic cameras - 30X, Telemetrics PTRE-1 PTZ – 5
Server unit - Grass Valley Nonlinear Production Center – 1
Static camera – Panasonic HE2PJ - 1
Video switcher unit - Grass Valley GV Director – 1
Digital mixing console for audio – Yamaha DM1000 - 1

**Video Processing**
Control Processor – Crestron PRO-3
Digital Graphics Engine – Crestron DGE-2
House Reference – Mutec iClockDP
Seamless Switcher – Analog Way QMX150
Touchscreen controller – Crestron TS Series
Video Router – Snell Vega Series

**Video Accessories**
Audio signal embedder – Sonifex RP-VHCMD16 Redbox
Blu-ray player – Oppo BDP105D Darbee Edition
Computer interface – AJA IO4K
Portable light stand set – Manfrotto 368B
Signal converters HDMI to SDI – AJA HA5
Signal converters SDI to HDMI – AJA HI5-Plus
Magic Sheet - Silver Hall

Down Lights

Front Lights

Side Lights

Moving Lights

Special Purpose - Extension Up

Special Purpose - Extension Down

Ceremony
Grand Lectern

Soloist Position
Symphonic Conductor

Opera Conductor

61/62
Bud and Katie Koch Recital Hall
Technical Specifications

Nominal dimensions: 48’ L x 23’ W x 16’ H
Standard usage: Recitals, Lectures, Conferences, Receptions
Room capacity: 90

Amplification
Lab Gruppen Power Amps – E Series 12:2, 8:2
Millennia Mic Preamp - HV-3R Series

Assisted Listening System
Black Lion - PM8 MKII Mixer
Williams Sound System - PPAVP with FM receivers

Audio Recording
Denon DN-700R - SD/USB Recorder
Schoeps Colette MK2/CMC6 overhead microphones - 2
*All signals may be patched to the Silver Hall Audio Control Room*

Video Recording
Panasonic AW-HE40 PTZ HD camera with IP control - 1
Crestron Capture HD Pro USB Recording deck - 1

Video Projection
Christie DWU555-GS laser video projectors – house left and right
Draper retractable screens – 8’8” w x 4’10” h (104” x 58” h)/16:9 aspect ratio

Video Presentations
HMDI/VGA access via stage right floor pocket
Crestron DGE-2/PRO3 Control Processors
Oppo BDP105D Darbee Edition Blu-ray player

Wireless System
Shure wireless receiver unit – ULXD4D
Shure Beta 87A wireless handheld microphones – 2
Shure ULXD1G50 transmitters with lavalier or headset microphones– 2
Walter and Jean Kalberer Room
Technical Specifications

Nominal dimensions: 23’ L x 23’ W x 15’ H
Standard usage: Meetings, Lectures, Receptions, Control Room for A/V
Room capacity: 49

Amplification
Lab Gruppen Power Amp
   E Series 4:2

Audio Recording
Denon DN-700R - SD/USB Recorder

Video Projection
Christie laser video projector
   Model DWU555-GS – 5,400 lumens
   WUXGA 1DLP resolution
Retractable screen – 9’8” w x 5’5” h (116” w x 65” h)/16:9 aspect ratio – Draper Inc.

Video Presentations
HMDI/VGA access via rack port
Control Processors – Crestron DGE-2/PRO3
Blu-ray player – Oppo BDP105D Darbee Edition

Wireless System
Shure wireless receiver unit – ULXD4D
Shure Beta 87A wireless handheld microphones – 2
Shure ULXD1G50 transmitters with lavalier or headset microphones- 2

Control Room Connections
The Kalberer Room can be used as a fully-functional A/V Control Room for Silver Hall
HD/SDI video connections via Coax/BNC – 16
Ethernet ports – 8
Analog audio channels – 64
Individual 20-amp electrical circuits – 6
Gerry and Jane Kesselman Green Room
Technical Specifications

Nominal dimensions: 20’6” L x 11’6” W x 8’ H
Standard usage: Guest hospitality, Dressing room, Lounge
Room capacity: 8

Amenities
Private, locking restroom
Refrigerator
Microwave oven
Ironing board with steam iron
Garment steamer
Overhead audio monitor
Wall-mounted video monitor
Closet with closet rod and hangers

Furniture
Leather sofa
Leather chair
Coffee table
Full-length mirror
Countertop
Storage drawers
Maltz Performing Arts Center - First Floor Overview
Concert Stage Dimensions

33'10"
34'5"
41'10"
68'7"
30'9"
3'0"
Ensemble Stage Dimensions

Dimensions:
- Length: 33'10" to 34'5"
- Width: 21'5" to 21'5"
- Depth: 3'0" to 32'6"
- Height: 56'11"
Lecture Stage Dimensions

33'10"

8'6"

34'5"

12'0"

8'6"

3'0"

12'11"

3'0"

12'11"

11'6"
KOCH RECITAL HALL.
Stage extension with seating
KOCH RECITAL HALL
Stage extension and seating removed
The Kalberer Room

Storage

Screen

Doors

Windows

23'

23'

23'
Grand Lectern
Canopy microphone drop and filament line locations