**Technical Information**

**Larson Memorial Concert Hall**
Type: Concert Hall  
Total Seats: 992 + 8 wheelchairs  
Total on Stage: 132  
Stage 60’W-42’Wx 43’Deep  
Acoustic curtains: 22  
Reverb Chamber: Yes  
Fly system: No  
Sound system: Installed

**Fishback Studio Theater**
Type: Black Box Theater  
Total Seats: 180  
Stage Area with Seating: 24’x50’  
Stage Area without Seating: 54’x50’  
Fly System: No  
Sound System: Modular

**Roberts Reception Hall**
Type: General use/ Lobby  
Dimensions: 42’x121’  
588 Max Capacity (no tables, chairs, or other obstructions)  
200 seated on Chairs (recital setup)  
150 with Round Tables & 10 Chairs per table  
120 with Round Tables & 8 Chairs per table  
Sound System: Installed

**Rehearsal Room**
Type: Rehearsal Room/Dance Studio  
Max Capacity: 204 standing/ 95 with chairs  
Dimensions: 37’x46’ removable wall  
Audio monitoring feed

**Green Room/ Private Dressing Room**
Type: Auxiliary Space  
Max Capacity: 15  
Dimensions: 30’x22’  
Restroom Attached  
Audio monitoring feed

**Dressing rooms (2)**
Type: Auxiliary Space  
Max Capacity: 5 ea.  
Dimensions 15’x22’  
Restroom attached  
Audio monitoring feed

**Makeup Room**
Type: Makeup/Dressing Space  
Max Capacity: 22  
Dimensions: 37’x10’  
Audio Monitoring feed

**Loading Dock**

The PAC has two loading docks. One pickup loading dock and one truck loading dock. Both docks are located on the northwest side of the building. The pickup dock’s tailgate drop level is 2’8” from the ground and the door is 6’ wide by 8’ tall. The truck dock is 3’4” from the floor and the door is 8’ wide by 9’ Tall. Please check with the Facility Manager regarding capacity and schedule at (605)688-6039
**TECHNICAL INFORMATION**

**AUDIOTECHNICS (LMCH)**

**Loud Speakers**
- Stage – JBL SR4702X
- Balcony Rear Fills – Bose 502A
- Balcony Side fills – Bose 32SE
- Sub – Bose 502B
- Monitors – (8) JBL SR4702X
  - (1) Galaxy Powered Hotspot

**Amplifiers**
- Stage – Crown CL2 Bi-Amped
- Balcony Rear Fills – Crown CL1
- Balcony Side fills – Crown CH1
- Subs – (2) Crown CL1 Bi-Amped
- Monitors – (2) Crown CL2 Bi-Amped

**Audio Equipment**
- Console – Behringer X32
  - 40 Channels, 8 DCAs, 4 Monitors
- Monitor – Soundcraft Monitor II
  - 24 Channel, 12 Bus
- Compressors – (2) DBX 1066, (3) DBX 166A
- Main EQ – DBX iEQ 31
- CD/Tape Deck – Marantz and Denon
  - 31 Band EQ – (6) Rane Me-60
- DSP – Mackie (EAW) DX-8*10e
- Headphones – (3) Audio Technica M50
  - (6) AKG K 101
- Bass Head - Gallen-Krueger 400RB-III
- Bass Cab – Hartke 4x10
- DI’s – (1) Countryman Stereo Active DI
  - (2) Whirlwind Mono Active DI
  - (5) Whirlwind Mono Passive DI
  - (1) Whirlwind Stereo Passive DI

**Microphones**
- (4) AKG C-391B
- (1) AKG D-112
- (1) AKG C-414B-ULS
- (1) AKG C-414 B-XLS
- (4) Audio Technica AT873R
- (2) Avenson STO-2
- (2) Countryman e6 Flex
- (3) Crown PCC160
- (1) Earthworks FMR720
- (1) Neumann TLM103
- (1) Rhode NT4
- (3) Sennheiser 421 II
- (2) Sennheiser e609
- (4) Shure SM81-LC
- (1) Shure Beta 91A
- (2) Shure Beta 98D/S
- (2) Shure Beta 98 H/C
- (16) Shure SM-57
- (8) Shure SM-58
- (4) Shure ULX-P Wireless

**Mic Accessories**
- Cable – Whirlwind Accusonic +2
- Neutrik Plugs,
- Stage Snakes – Whirlwind (1) 8 Channel,
- (1) 16 Channel
- Floor Snake Channels –24
- Sub Snake Channels- 24

**Mic Stands**
- (10) K&M - Tall Telescoping Boom
- (4) K&M - Tall Fixed Boom
- (9) Ultimate – Tall Fixed Boom
- (6) K&M – Medium telescoping Boom
- (3) K&M – Short Telescoping Boom
- (3) K&M – Short Fixed Boom
- (4) Ultimate – Straight w/ grip clutch
- (6) Atlas Sound – Straight w/ twist clutch

*Availability of all equipment is subject to change. Please notify Facility Management of equipment needs prior to event.*

**Audio Spec (LMCH)**

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TECHNICAL INFORMATION

AUDIO SPECS (FST)*

Audio Equipment
Console – Behringer X32
40 Channels, 2 busses, 8 DCAs
CD Deck – Marantz PMD331
Stereo Recorder – Alesis ML-9600

Loud Speakers
(4) JBL MP412

Amplifiers
Monitors – Crown CL1
Sub – Crown CL1

Microphones
(3) Shure SM58 Wireless

Loud Speakers
(4) JBL MP412

Amplifiers
Monitors – Crown CL1
Sub – Crown CL1

Microphones
(3) Shure SM58 Wireless

VIDEO SPECS*

LMCH-
Panasonic PT-D5500U – 5,000 Lumens
Screen – Da-Lite 15’x20’
MacBook Pro – QLab3, Office, Pro Tools 11
Denon V200 DVD Player
LG VCR Player

FST-
Panasonic PT-D3500U – 3,000 Lumens
10.5’x16’ Da-Lite Screen
Denon V200 DVD Player
JVC VCR Player

LIGHTING SPECS*

750 Watt Instruments
(12) ECT Source Four Zooms 15° - 30°

575 Watt Instruments
(10) Strand SL 57-19°
(24) Strand SL 57-26°
(24) ETC Source Four-26°
(24) Strand SL 57-36°
(12) Strand SL 57-50°
(8) Altman Par 56
(31) Altman Par 64

410 Watt Instruments
(2) Altman Comet Follow Spots

Effects
(1) Jem ZR-24/7 Hazer

Dimmers
(96) dual 2.4KW Dimmers in LMCH
(106) dual 2.4KW Dimmers in FST
Console – ETC Express 48/96 – 96 Channels, 600 cues/show,
(25) dimmers control house light
Light Grid 30’ above stage

*(Availability of all equipment is subject to change. Please notify Facility Management of equipment needs prior to event.)
**Support Equipment**

**Equipment**
- (1) Podium – not adjustable
- (1) Podium – adjustable
- (10) 6’ Folding Banquet Tables with black skirting and white table cloth
- (6) 10’ sections of Black Pipe and drape
- (15) 8’ Round Tables
  - Seats 8-10 people per table
- (200) Reception Hall Chairs (blue)
- (4) Ceremonial Flags
  - US, SD, Brookings, SDSU
- (100) Manhasset Music Stands
- (120) Wenger Musician Chairs (blue)
- (40) Music Stand Lights
- (5) Wenger String Bassist Chairs
- (6) 8” Wenger Risers 4’x8’
- (6) 16” Wenger Risers 4’x8’
- (6) 24” Wenger Risers 4’x8’
- (1) Wenger Conductor’s Podium
- (1) Wenger Conductor’s Stand
- (11) Choral Risers (4 Step)
- (4) Acoustic Shells
- (1) 5-Panel Drum Shield

**Instruments**
- (1) Musser Xylophone
- (1) Musser Vibraphone
- (1) Musser Marimba
- (1) Malletech Glockenspiel – 2.6 octave
- (1) Musser Timpani set of 5
  - 20”, 23”, 26”, 29”, 32”
- (8) Ludwig Concert Toms
  - 6”, 8”, 10”, 12”, 13”, 14”, 15”, 16”
- (1) Ludwig Concert Bass Drum
  - 18”x36”
- (1) Zildjian 30” Gong
- (3) Ludwig Snare Drums
  - Black Beauty- 3x13, 5x14, 6.5x14
- (2) Ludwig Crash Cymbals
  - Constantinople Sp, Sym. Viennese
- (1) Ludwig Drum Set
  - Kik-20”, HT-12”, LT-14”, Sn-14”
  - 20” & 18” Constantinople, 13” Dyno HH
- (2) Cymbals
  - 20” & 18” Constantinople K
- (1) Matador Timbales
  - 14”, 15” x 6 ½”
- (1) Matador Congas Set
  - 11”, 11 ¾”, 12 ½” x 30”
- (1) Matador Bongos Set
- (1) Musser Chimes - Symphonic
- (1) Electronic Organ
- (2) Electronic Keyboards

*Availability of all equipment is subject to change. Please notify Facility Management of equipment needs prior to event*