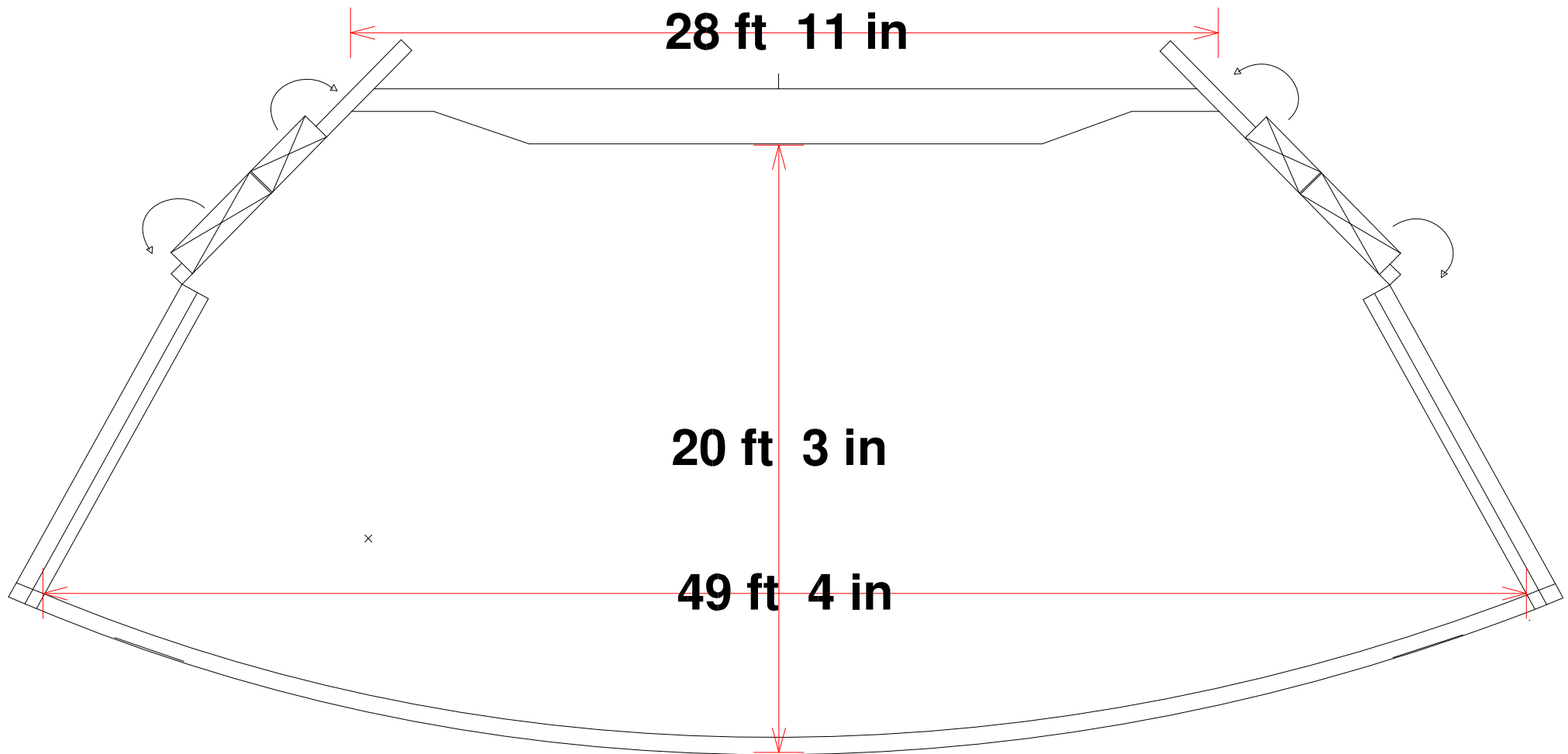






**Benaroya Hall
Illsley Ball Nordstrom Recital Hall Stage**

BENAROYA
HALL



contact – TD@seattlesymphony.org

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Ilisley Ball Nordstrom Recital Hall

Audio Equipment List

FOH mixer and Processing

- 1 Yamaha CL5 with 2 RIO 3224 D2 stage racks – 64 input, 32 analog output, 16 AES output
- 1 Marantz CD/Cassette Combo Unit
- 1 Tascam CD-RW901SL
- 1 Denon DN-500R USB Recorder

Main Concert Sound System

L-Acoustic ARC Series L/R Array

- 3 ARC Loudspeakers per array flown horizontal
- 2 LA118 Sub Woofers.

All Main Concert Sound System loudspeakers are powered by L-Acoustic LA 24 & LA 48 amplifiers

Front Fills

- 4 JBL Custom Low Profile loudspeakers

Stage Monitor System

- 7 JBL TDM129 bi-amped stage monitors
- 1 Crown Macro-Tech 36 x 12 amp rack – 7 Mixes

Intercom System

ClearCom Intercom – 8 Channel Matrix routes 4 Communication Channels throughout the venue.

Hearing Impaired System

Sennheiser Infrared headsets

On Stage Power

- 5 20A Circuits in floor pockets
- 6 20A circuits in SL Vestibule.
- 1 60 amp 3 phase service accessible with 150ft camlock feeder

Staging Inventory

- 30 Stage Right 4ft x 8ft stage decks – 1 side carpeted, 1 side textured fiberglass
- 6 Stage Right 3ft x 8ft stage decks – 1 side carpeted, 1 side textured fiberglass
3ft x 8ft are only configurable at 48", last tier of chorale risers
- 6 8" Steel frames for 4ft x 8ft stage decks
- 10 16" Steel frames for 4ft x 8ft stage decks
- 10 24" Steel frames for 4ft x 8ft stage decks
- 6 32" Steel frames for 4ft x 8ft stage decks

Chorale risers can be configured as

- 24ft or 48ft wide and up to 6 rows tall starting at 8"
- 24ft or 48ft wide and up to 4 rows tall starting at 32"

Microphone Inventory

The microphone inventory is shared between our two main performance spaces

- 1 Earthworks PM40 Piano Microphone System
- 10 Neumann KM184 Cardioid Condenser Microphones
- 7 Neumann KM185 Super-Cardioid Condenser Microphones
- 4 AKG C414B Large Diaphragm multi-pattern Condenser Microphones
- 6 AKG C480B-ULS Small Diaphragm Condenser Microphones
- 2 AKG C747 Miniature Shotgun Microphones
- 1 AKG D112 Kick Drum Microphone
- 4 AKG C1000 Cardioid Condenser Microphones
- 2 Sennheiser e614 Cardioid Condenser Instrument Microphones
- 6 Sennheiser e604 Cardioid Dynamic Instrument Microphones
- 4 Shure SM87A Super Cardioid Condenser Vocal Microphones
- 8 Shure SM57 Cardioid Instrument Microphones
- 6 Shure SM58 Cardioid Vocal Microphones
- 4 Shure SM58S Cardioid Switched Microphone
- 6 Shure Beta98 Drum Microphones
- 1 Shure Beta52 Kick Drum Microphone
- 2 Shure Beta91 Kick Drum Microphones
- 2 Sennheiser MD421 Instrument Microphones
- 3 Sennheiser 835S Switched Vocal Microphones
- 1 Sennheiser 835 Cardioid Vocal Microphones
- 11 Sennheiser 845 Super Cardioid Vocal Microphones
- 1 Rode NT4 Stereo Microphone
- 3 Crown PCC160 Floor Microphones
- 2 Electro-Voice RE20 Large Diaphragm Dynamic Microphone
- 8 Whirlwind Director Passive Direct Boxes
- 2 Radial PRO AV2 Passive Direct Boxes
- 2 Radial J48 Active Direct Boxes
- 2 Radial PRO D2 Passive Direct Box
- 4 Whirlwind 16 channel MLTSP 1x3 microphone splitter

In House Wireless Microphone Systems

- 4 Sennheiser EM3732 receivers
- 4 SKM500 G3 handheld transmitters with 935 capsules
- 4 Sennheiser ME104 lavalier microphones with Lemo connectors

Headsets & Lavaliers

The microphone inventory is shared between our two main performance spaces

- 3 DPA 4066 beige headset - LEMO3 connectors
- 1 DPA 4066 brown headset - LEMO3 connectors
- 1 DPA 4066 black headset - LEMO3 connectors
- 1 DPA 4088 beige headset - MicroDot connector
- 3 Countryman E6 cocoa headset microphones with LEMO3 connectors
- 1 Countryman E6 beige headset microphone with LEMO3 connector – dual earpiece
- 6 Sennheiser ME104 – Lemo3 connectors (1 – right angle)
- 3 DPA 4061 beige – Lemo3 connectors
- 1 DPA 4061 black – XLR connector
- 1 Countryman B3 – XLR connector
- 2 Sennheiser ME104 – TA4F
- 2 Sennheiser KA100 – TA4F, no capsules
- 9 MicroDot to LEMO3 adapters

Video Equipment

- 1 Stewart 16' x 9' roll down projection screen. 4:3 and 16:9 aspect ratios

The video inventory is shared between our two main performance spaces

- 1 Blackmagic Design ATEM Constellation 8k switcher
- 1 Blackmagic Design ATEM 1 M/E Broadcast Panel
- 1 Barco PDS 902 3G Switcher/Scaler
- 2 Blackmagic Design ATEM Television Studio HD Switcher
- 2 Christie M 4K25 RGB pure laser projectors
- 1 Christie M 4K15 RGB pure laser projector
- 2 Blackmagic Design Ursa G2 cameras w/ tripod
- 2 Blackmagic Design Studio 4k Pro camera
- 3 Blackmagic Design Micro 4k camera
- 1 Blackmagic Design Studio camera HD w/tripod
- 1 Blackmagic Design Studio camera 4K w/tripod
- 1 Blackmagic Design Studio camera 4K w/tripod
- 1 Panasonic 8-18mm lens – Micro Four Thirds mount
- 5 Panasonic 14-42mm lenses – Micro Four Thirds mount
- 2 Panasonic 45-170mm lenses – Micro Four Thirds mount
- 1 Panasonic 100-400mm lens – Micro Four Thirds mount
- 2 Fujinon XA20sx8.5BERM-K3 lens – ENG mount
- 3 Panasonic AW-UE 150K PTZ cameras
- 2 Panasonic AW-HE 130 PTZ cameras
- 1 Panasonic AW-PR60 PTZ camera controller
- 1 Panasonic AW-RP50 PTZ camera controller
- 2 Decimator MD-HX HDMI/SDI Cross Converters
- 3 Decimator 12G-CROSS 4K Converter
- 4 Blackmagic Design HyperDeck Studio HD Plus recorder
- 1 Blackmagic Design Video Assist 7" 12G recorder
- 1 Blackmagic Design HyperDeck Mini recorder
- 1 Blackmagic Design HyperDeck Shuttle 2 recorder
- 1 Blackmagic Design Video Assist 7" monitor/recorder
- 1 Samsung 60" 4K monitor
- 2 NEC 43" monitors
- 3 LG 24" 4K monitors
- 4 Visio 24" monitors
- 1 Lilliput 10" monitor
- 1 Teradek Prism 801/853 4K SDI encoder
- 2 AJA HELO streaming encoders
- 1 16:9 Fast-Fold front projection screen
- 2 DSAN Perfect Cue Presentation Systems

Aluminum Box Truss

- 16 Total Fabrications 20.5" x 12ft
- 3 Total Fabrications 20.5" x 6ft



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