



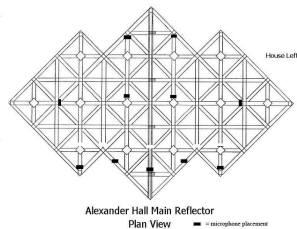
RICHARDSON AUDITORIUM TECHNICAL SPECIFICATIONS

Seating Capacity: 832 seats

- Orchestra and Parterre: 323 seats
 - Includes 8 ADA wheelchair accessible platforms with companion seats
- Balcony: 509 seats
 - 459 full view seats
 - 50 obstructed view seats

Stage Specifications

- Approximate stage dimensions: (please see stage diagram for reference)
 - Full stage (elevator at stage-level): 70'-0" wide, 30'-0" deep at center-line
 - Reduced stage (elevator at house-Level): 70'-0" wide, 22'-0" deep at center-line
 - The downstage 8'-0" of the stage is an elevator that has multiple configurations. These are stage level, house level (with additional seating available) and orchestra pit level.
 - The upstage portion of the stage contains two levels of permanent marble steps. In addition to these are two additional removable levels of faux-marble step platforms.
 - The upstage wall of the hall contains three 19th century Tiffany glass mosaics depicting Homer's Iliad and Odyssey. Above the three mosaics is the Tiffany glass "Rose Window", depicting an allegorical study of Genius, Knowledge, Study, and Fame.
 - Main Acoustic Reflector



- Upstage Acoustic Reflector

Stage Equipment

- (7) Acoustic Reflector Panels (used as stage-wings in certain configurations)
- (1) Lectern
- (2) Conductor Podiums
- Orchestra Chairs
- 105 Regular Chairs
- 10 Cello Chairs

- 18 Specialty Height Chairs
- (3) Soft Piano Benches
- (1) 8'x8' Drum rug
- (1) 6'x6' Drum rug
- (1) Full Black Velour tie-on Drapery
- Risers
 - (6) 4' x 8' x 8"
 - (4) 4' x 6' x 8'
 - (2) 4' x 4' x 8"
 - (2) 3' x 8' x 8"
 - (2) 3' x 8' x 16"
 - (2) 3' x 6' x 8"
 - (2) 3' x 6' x 16"
 - (2) block risers 4' X (14" tapers to 0") X 16"
 - (2) block steps for old style risers 4' X 1' X 8"
 - (2) block steps for old style risers 3' X 1' X 8"
 - (2) 2'9" X (tapers both sides 6'-3" TO 4'-9") X 8"

Backstage Specifications

- Stage doors exit directly into the ambulatory/lobby
- Note: There is no backstage crossover
- Dressing room space is limited, and is located on the basement level (one level below the auditorium)
- One small private room is guaranteed for artist / soloist
- 1-2 additional rooms may be available depending on the event
- Orchestra pit area underneath stage is available for instrument case and wardrobe storage

Musical Equipment

- (2) Steinway D Concert Grand Pianos

Lighting

- Rep Plot paperwork and circuit information available upon request
- Fixtures are permanently hung and will not be moved
- (12) Specials and Spares will be refocused and recolored
- Control: ETC Ion Console (4 Universes) with Universal Fader Wing 2 x 20
 - Tracking Backup : ETC Nomad @ Back-of-House
- Dimming: ETC Sensor 3
 - 192 Dimmers
 - ETC D20AF Dimmer per circuit
- Specific Circuit and Rep Plot information available upon request
- Rep Plot
 - (14) Chroma-Q Color100X (Main Reflector)
 - (4) ETC Source4 50°
 - (16) ETC Source4 26°
 - (64) ETC Source4 19°
 - (10) ETC Zoom 15°-30°

- (8) ETC LUSTR2
- (12) ETC Selador D60
- (2) Apollo Right Arm
- (3) Mac Aura
- Stock Inventory
 - (12) ETC Source4 50°
 - (12) ETC Source4 36°
 - (12) ETC Source4 26°
 - (12) PAR 64 1000w

Video

- Newtek Tricaster TC1 Production Video System
- (3) Birddog p400 PTZ Cameras
- (1) Birddog PTZ Keyboard Camera Controller
- (1) Birddog HDMI 4k NDI Encoder
- (4) Birddog Flex Out NDI Decoders (permanently installed)
- NDI Video Network

Projection

- Christie DWU951-Q 1-chip DLP projector (8,000 Lumens)
- 11.5'x20' hung front projection screen (16:9 aspect ratio)

Audio System

- FOH Audio Console: Allen & Heath dLive DM0 w/ S5000 Surface
 - Capable of 64in x 24 out via Analog i/o
 - Cable of 64x64 via Dante network
- Allen & Heath AHM-64 Matrix Mixer/Signal Processor
- Multi-channel Dante Audio Network
- Main PA System : D&B Audiotechnik T10 Line Array System
 - (7) cabinets per side w. (2) Point Source Balcony side-fills
 - (4) Y-Series Subwoofers (2 Orchestra Level, 2 Balcony Level)
 - (2) D80 4 - Channel Amplifiers
- Public Address System: EAW – DSA250/230s – stereo, full-range mounted overhead on stage columns
- Monitoring: (6) RCF NX12-SMA Active stage monitors

Communication

- ClearCom FreeSpeak II with 12 wireless beltpacks
- Wired Clear Com Stations around the building

Microphones

Wired	4 8 2 4 1 2 4 2 6 1	Shure-SM57 Shure -Beta58 AKG - 460 AudioTechnica - AE3000 Audix DP2 kit- drum mics +D6 Neumann - KM184 Sennheiser- E 835 Neumann KMS105 Sennheiser MD421 EV- RE-20
Floor/Boundary	4	AudioTechnica - AT849 - stereo condenser
Wireless	12 12 12 8 6 2 2 2	Shure Axient Digital Receivers Shure Axient Digital AD2 SM58 wireless handheld mics Shure Axient Digital AD1 wireless belt packs Shure over-ear cardioid lavaliers Shure mini- cardioid lavaliers Shure headset microphones Shure MX185 Lavaliers Shure KSM9 wireless handheld capsules
Lectern	1 2	AudioTechnica AT857L gooseneck microphone Sennheiser MZH3042 gooseneck microphones w/ ME-35 cardioid capsules

Recording Equipment

Recording Systems	1 3 1	ProTools Ultimate workstation Avid HD Omni system 32 in x 32 out Millennia HD-V3D 8 ch mic-pre RME Digiface Dante 64x64 USB Audio Interface
Control Surface	1	SSL - Nucleus 16 ch mixer
Summing Interface	1	SSL - Sigma 16 ch mono / 32 ch stereo
Backup Recorders		Tascam SD-20M 4-Track Solid-State Recorder Tascam DV-RA1000 CD/DVD recorder
Monitor	2	Dynaudio Air 6
Microphones - condensers	10 2 2 2 2 2 2	Schoeps CMC5/6 - w (4) MK4 cardioid, (4) MK41 hyper-cardioid, (4) MK2 omni, (2) MK8 figure-eight capsules Neumann - KM184 - cardioid matched Neumann -TLM103 - cardioid matched Royer Labs - R-122- +48v figure-eight ribbon AKG C414 B-XLS multi-pattern -matched AKG C414 -XLS multi-pattern -matched