



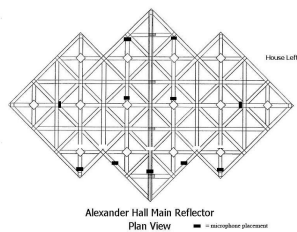
RICHARDSON AUDITORIUM TECHNICAL SPECIFICATIONS

Seating Capacity: 832 seats

- Orchestra and Circle: 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

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

Stage Equipment

- (7) Acoustic Reflector Panels
- (1) Lectern
- (2) Conductor Podiums
- Orchestra Chairs
 - 88 Regular Chairs
 - 10 Cello Chairs
 - 18 Specialty Height Chairs (various)
- (84) Music Stands
- (4) Soft Piano Benches - 3 standard, 1 tall
- (1) 8'x8' Drum rug
- (1) 6'x6' Drum rug
- (1) Full Black Velour tie-on Drapery
- Risers
 - (6) 4' x 8'
 - (4) 4' x 6'
 - (2) 4' x 4'
 - (40) 8" legs
 - (20) 16" legs
 - (20) 24" legs

Musical Equipment

- (2) Steinway D Concert Grand Pianos

Lighting

- Rep Plot Has full stage 2 color static Front wash (incandescent) , Full color changing LED Side and Back wash. Down Light on Main and Rear Reflectors are Full color changing LED. Some moving Specials are Available but we DO NOT have a follow spot in house.
- Rep Plot paperwork and circuit information available upon request
- Fixtures are permanently hung and will not be moved
- (14) Specials and Spares can be refocused and recolored
- Control: ETC Ion Console (12 Universes) with Universal Fader Wing 2 x 20
 - Tracking Backup : ETC Nomad with Universal Fader Wing 1x20 @ Back-of-House
- Dimming: ETC Sensor 3
 - 192 Dimmers
 - ETC D20AF, TR20Af, or R20 Dimmer card per circuit
- Specific Circuit and Rep Plot information available upon request
- Rep Plot
 - (14) ADB Actoris PAR LED (Main Reflector)
 - (4) ETC Source 4 36°
 - (18) ETC Source 4 26° (4 of which are Lustr 2)
 - (72) ETC Source 4 19° (4 of which are Lustr 2)

 - (11) ETC Zoom 15°-30°
 - (12) ETC LUSTR2 (4 on Rear Reflector)
 - (12) ETC D60 Lustr+
 - (2) Apollo Right Arm
 - (3) Mac Aura
 - (4) Elation Proteus Lucius LED Profiles
 - (4) Elation Fuze Profiles

- (4) Clay Paky Mini B's (Rear Reflector)
- Stock Inventory
 - (7) ETC Source 4 50°
 - (11) ETC Source 4 36°
 - (12) ETC Source 4 26°
 - (9) ETC Source 4 19°
 - (12) PAR 64 1000w
 - (6) ADB Actoris Par LED

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

- Panasonic PT-MZ16KU 3LCD SOLID SHINE Laser Projector (16,000 Lumens)
 - Resolution: 1920x1080 pixels
- 11.5'x20' hung front projection screen (16:9 aspect ratio)
- 3x20' hung supertitle screen

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
 - (2) RCF NX10-SMA Active Stage Monitors

Communication

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

Microphones

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|--------------------------------|--|--|
| Wired (Sound Reinforcement) | 4 8 2 3 1 4 2 6 2 1 | Shure-SM57 Shure -Beta58 AKG - 460 AudioTechnica - AE3000 Audix DP2 kit- drum mics +D6 Sennheiser - E835 Neumann KMS 105 Sennheiser MD421 EV - RE-20 Neumann - KM184 - cardioid matched pair |
| 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

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|--------------------------------------|-----------------------------|--|
| 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 | | 2-Track DAW- Soundforge 16 - Stereo MBOX MINI (24bit-48KHz) 2-Track Tascam SD-20M Solid-State Recorder (16bit-44.1kHz) |
| Monitor | 2 | Dynaudio Air 6 |
| Microphones - condensers (Recording) | 12 1 2 1 1 1 | Schoeps CMC5/6 - w (2) MK2 omni, (4) MK4 cardioid, (4) MK22 wide-cardioid, (4) MK41 hyper-cardioid, (2) MK8 figure-eight capsules Neumann - KM184 - cardioid matched pair Neumann -TLM103 - cardioid matched pair Royer Labs - R-122- +48v figure-eight ribbon AKG C414 B-XLS multi-pattern -matched pair AKG C414 -XLS multi-pattern -matched pair |