

# Westover Church Worship Center Technical Specifications

(Information is accurate as of 3/04/2011)

## Stage

**General Information:** Stage is a proscenium thrust

**Proscenium Width:** 88'

**Proscenium Height:** 34' 8"

**Total Stage Width:** 155' 7"

**Wing Size:** 38' (stage left) 30' (stage right)

**Stage Depth:** 32' (proscenium to back wall)

**Apron Depth:** 40' in center; 18' on sides; 24' without pit filler

**Orchestra Pit:** 16' x 76'

**Grid Height:** 44'

**Stage Height:** 42"

**Loading Access:** Stage Lift elevator located upstage center, travels to dock level. 9' x 9' x 22'

**Stage floor surface:** Pine painted satin black; screws permitted

**Risers:** Available upon request

## Rigging

**Linesets:** 9 motorized, fixed speed, variable positioning  
See lineset schedule for details.

**Battens:** 2500 lb box trusses

**Main Curtain:** curved Braille

**Curtain Hang:** 3 sets of legs, 3 borders, 1 midstage traveler, full stage rear cyc

**Motor Control:** controls located stage right; 75' pendant for remote

**Hang Points downstage**

**of Proscenium:** tension grid, steel, 10,000 lb capacity

**Additional Hang Points**

**Behind Proscenium:** steel 15,000 lb capacity

## Lighting

**Dimming:** ETC Sensor + 384 dimmers (including houselights)

**Control:** Jands Vista; Unison architectural

**Control Locations:** booth, middle of house, stage

**Electrics:** 3 overstage, wall pockets on stage and in pits

**Front Of House:** 3 catwalks, tension grid, side balconies

**Moving Lights:** (6) VL3000; (6) VL3500; (2) DL1

**Other:** Catalyst Media Server

**Conventional Fixtures:** Source4 Elipsodials, Wybron Nexeras, Focusing Cys, Selecon Pacific's

**Follow Spots:** 2 Robert Juliet Buxies (575 watt) located in catwalk. Additional follow spot locations at the rear of the upper balcony

**Show Power:** 2 400 amp disconnects (lighting)  
1 400 amp disconnect (audio ground) all Camlocks

**Shore Power:** 1 100 amp, 1 400 amp disconnects for truck/bus power located at the drive under

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## Sound

**Custom Acoustics:** All auditorium wall and front balcony surfaces are covered with acoustic or vari-trap panels. Main and balcony ceilings are treated with Barisol membrane panels.

**Front Of House:** Midas XL8 Live Performance System;  
96 channels (80 wired inputs onstage)  
Tascam CD-O1U playback deck  
Tascam CD-RW901 record deck  
Software – EV IrisNet®, SmaartLive®, Shure Wireless Workbench

**Flying Rack System:** 6 Midas DL 451 I/O boxes for outside tour console interface into house audio network or house truck panel.

**Speaker Face:** EV Xi-1183 and Xi-1123 (mains)  
EV 1082 (front fill; over and under balcony fill)  
EV X-sub (stage)  
EV QRX 118S subs (over balcony)  
EV Evid 6.0 (for variable acoustics)  
All totaling 108 speaker boxes custom tuned for the room

**Amplifiers:** EV 3000, 1200 and 900 RL series, EV 7100 (for variable acoustics) – all totaling 70 amplifiers  
EV NetMax audio matrix

**Monitoring:** While all of our stage monitoring is from FOH, we have the system interface and connectivity for touring stage monitor consoles.

**Stage Monitors:** Aviom Personal Monitoring System – 10 mix stations  
(6) Shure PSM600 wireless systems  
(3) Shure PSM600, (1) PSM 400 wired system, (8) EV QRX 112/75 wedges  
ButtKickers® for drum, bass and keyboard portable risers

**Microphones:** (12) Shure UHF-R wireless systems, (6) KSM9 capsules  
(6) Beta 87 capsules, (3) SM 58 capsules  
(12) UR-1 bodypacks, (12) EV RE 97's, (6) Shure Beta 87's wired  
(4) Shure SM 58's wired, (10) Shure SM 57's wired, (5) Shure Beta 87's wired  
(6) Audix M 1245 Microboom choir mics  
(1) Sony ECM 999 stereo mic, (2) AKG 3000's, 2 AKG 1000's  
(3) Audio Technica Pro 35x clip on's, (2) Audio Technica Pro 37R's  
(1) Audio technical ATM 33R  
(1) Audio Technica 4047  
(3) Audio Technica ATM 450's  
(3) Sennheiser E 609 mics with guitar cab ISO boxes  
(2) Crown PZM's  
(6) Beyerdynamic MCE 86S shotgun mics (4 for audience response – 2 for stage)  
(2) Audix SCX-25's

**Drum Microphones:**

(3) Audix Micro-D's, (1) Audix i5, (2) Shure Beta 98's, (1) Audio Technica Pro 37 R, (1) Sony ECM-999  
(1) Shure SM 57, (1) Shure SM 81, (1) Shure Beta 91  
(1) Shure Beta 52, (1) EV ND 868, (1) EV RE 27

**Backline:**

(4) Countryman DT 85 DI's, (3) Klark-Teknik DN 100 DI's, (3) Radial JDI's,  
(1) Radial Pro DI  
(20) K&M boom mic stands, (8) K&M short-boom stands, (6) desk top stands  
(2) Samson studio booms

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## Sound (continued)

**House Drum Kit:** DW Blue Diamon Pearl, 6-ply maple toms and 8-ply maple kick  
18x22 Kick Evans Emad Clear (with G3 Resonant white front head)  
10x9 (all toms Evans G2 coated; G1 Resonants clear), 12x10, 14x12,  
16x14 all available  
Stands for (3) crashes, ride, splash, and hats  
Black Panther maple snare 6x14 power stroke coated on all snares  
Pearl Masters maple snare 5x15

**Audio Production:** DAW Workstation, Sonar Producer Edition 6, Midas Verona 480 (can be used for stage monitor console)

## Video

**Image Magnification** Stewart Filmscreen 13.5'x24' (16:9 aspect ratio)

**(IMAG) screens:** rear projection surface

**Projection:** Christie Roadster S+12K, SXGA+, 12,000 lumen, 3-chip DLP

**IMAG Switching:** Sony DFS-700

**Source devices:** DVD, DVCAM videotape, Inscribe® Studio SD

**Furniture:** Marco consoles

## Production

**Cameras (IMAG/Production):** 4 Sony DXC-D50WSL; 1 Sony DXC-D35WSL

**Camera connectivity:** 14 Triax locations in Worship Center

6 Triax locations in other parts of the building

6 Triax tie lines to production truck panel

**Camera control:** Sony CCU D-50 camera control units supporting dual tally indicators

**Camera support:** 2 Slik Broadcast with Daiwa heads  
3 CSI models

**Production Switcher:** Echolab Nova 1716 (16 I/O, 1.5 M/E switcher, SDI format)

**Monitoring:** 2 Wall-mounted Samsung 46" LCD

**Camera/Source**

**monitoring:** Leitch Neo SuiteView™ display processor

**Graphics:** Inscribe® Studio SD

**Recording:** DVCAM format on Sony DSR-45 VTR; DVD format on Pioneer PVR-LX1; MPEG-2 on Doremi Labs V1MP2 DDR

**Playback sources:** DVCAM format, DVD, PC, Doremi DDR

**Audio console:** Midas Venice, 32-channel (from existing building)

**Engineering router:** Leitch Integrator 64x64ST8 SDI

**Engineering monitor:** Sony high resolution CRT style (model TBD)

**Intercom:** Telex Audiocom, 6 Channels routable to 48 locations including rehearsal spaces, WAV offices and 2 wireless stations.

**CCTV Headend:** Blonder-tongue distribution, channel filter and insertion equipment

**Video processing** Videotek, Extron (CAT5 & scan conversion),

**and distribution:** Kramer and Leitch components (AJA A/D & D/A conversion)

**Furniture:** Marco consoles

## Intercom

**Intercom:** Telex, 6 channels, wired and wireless