

GATEWAY CHURCH

ABOUT THE SOUTHLAKE CAMPUS



When Gateway Church first began to explore relocation of its central campus to the 180-acre site at Highway 114 between Kimball and Carroll Avenues, the goal was to be able to maintain the sense of community that they enjoyed on their initial campus.

The centerpiece of the new Southlake campus is the main worship center. Despite its high seat count, the room occupies a tight footprint to maximize the site and to preserve the intimacy of the worship experience. To control costs, a simple rectangle shape was chosen for the auditorium. The design team used terraced seating, balconies and angled walls to create a bowl within the box which not only maximizes sightlines to screens and stage but also allows people to see the others around them worshipping. The thrust stage facilitates connection between the worship team and pastor by bringing them as close to the congregation as possible without experiencing the gap of an excessively high stage or steps that separate them from the first row.

Worship at Gateway ranges from celebratory to reverent. The lighting systems are structured to cue the congregation for transitions in worship. Color changers and washes allow the technical team to easily shift the mood from high-energy to reflective in a matter of moments. Noise control was also important to support transitions. Careful design of the HVAC systems and separation of mechanical, electrical and plumbing systems remove distractions in the environment allowing quiet moments to feel intimate.

Building information modeling (BIM) played a significant role in the project. The team improved efficiency by maintaining an entirely paperless record set, electronically documenting all project information and completing submittals digitally. As a result, the church has a HTML-based digital closeout package, which included an operations and maintenance manual, warranty information, training videos, all project records, and the complete BIM model.



All three screens and projectors are on motorized hoists so they can be raised and lowered during the service without interrupting the video image.

The church worked to build a binding sense of community within the design team that worked on the project which led to a 4,000-seat room that feels incredibly connected and responsive. Every sightline, surface, and finish was chosen to support aural and visual connection with a multi-disciplinary team meeting weekly to make sure the complex project came in on time and under budget.

The catwalks create direct connection from the balcony to the main floor so that people aren't required to leave the room to access the front of the worship center. Seats vary in width from 19" to 23" in order to create even aisles with seats staggered to optimize sightlines. Raked seating in the balcony not only serves sightlines but also minimizes exposure of the rear wall improving the acoustic environment.

The room has an extensive catwalk system and ceiling clouds that function acoustically as well as to conceal the production technology. The outer ring of the cloud is 'decked out' on the top side so that it is walkable to allow for easy maintenance in changing lights.

Gateway's technical team is highly skilled in production so interconnectivity and flexibility was key to the design. The campuses are interconnected to each other for bidirectional video, audio, and communications; and the smaller auditoriums and classrooms can be used for overflow.



Quick Facts

Seat Count for Main Worship:	4000
Project type:	New Construction
Opening:	November 2010
Budget:	\$ 86 million
Final Construction Cost:	\$ 82 million
A/V, Lighting & Rigging:	\$ 8.4 million
Leadership & Vision:	Gateway Church
Architect:	Beck Group
Construction Company:	Balfour Beatty
MEP Engineering:	DFW Consulting
Structural:	Brockett Davis Drake
Acoustics, A/V, Lighting and Theatrical Design:	Acoustic Dimensions
A/V Installation:	Pro Sound & Video
Video Production:	Beck TV
Lighting Installation:	Barbizon
Rigging Installation:	Stage Technologies
Children's Theming:	Worlds of WOW

Part of the design of the new campus is the inclusion of a television studio and full broadcast systems to support production. Gateway's pastor, Robert Morris, is the host of *The Blessed Life* on Daystar. The video production room includes a single switcher with 3 control surfaces to support IMAG, Broadcast, and studio functions independently.





Adjacent to the auditorium is the 60,000 square foot, two-story children's wing, called God's Amusement Park. Designed to look and feel like an amusement park, the theming supports the vision throughout with bright colors and murals that leap off walls to make even the adults smile.

The park includes three custom themed play units, an overhead roller coaster, and the life sized "big book" for Bible story time. The ground floor has facilities for nursery through preschool; while the second floor contains four auditoriums: Kindergarten, 1st /2nd Grade, 3rd/4th Grade, 5th/6th Grade.

To insure that the message is being delivered consistently, the children's program is structured so that the worship experience is similar to that of the adults, yet at an age-appropriate level. To accomplish this, each room is supported by technical systems similar to the main room, to allow for Praise/Worship.

Security was very important in these spaces and the client was integral in developing the concepts. Upon arrival parents have a choice for check-in. First time guests are required to provide information at one of three check-in desks. Other parents can choose to use a portal system at any information kiosk in the facility. The kiosk then delivers a print out telling parents where to go to speed the check-in process on arrival.



The information wall is designed to receive signal from the control room or signal from the counter. This allows for the screens to be used as digital signage for conferences. The wall is also designed for additional screens to be added if needed and used in a continuous band.

The campus design focused on common areas that could be used however people wanted to use them not only on Sunday but also during the week. While classroom usage is somewhat fixed, the large lobbies for informal gatherings facilitate groups from 30-to-1 down to one-to-one. The campus supports public wi-fi in the common areas to support these groups.



Equipment lists

Main Loudspeaker Systems

Meyer Sound Galileo Loudspeaker Processors
BSS Soundweb Digital Signal Processing
Meyer Sound RMS Monitoring
Meyer Sound Milo Main Arrays
Meyer Sound UPQ-1P Over Balcony Speakers
Meyer Sound UPJunior Under Balcony Speakers
Meyer Sound UPJ-1P Front Fill Speakers
Meyer Sound MSL4A Side Fill Speakers
Meyer Sound DF4 Side Fill Speakers
Meyer Sound CQ-1 Proscenium Speakers
Meyer Sound 700HP Subwoofers
HP Network Switches
Middle Atlantic Racks

Control Booth

DiGiCo SD7 Digital Console
Tascam CD playback and Recording
HHB CD playback and Recording
Numark iDEC iPod Dock
Bittree Patchbays
SurgeX Power Conditioning
Sound Construction & Supply Equipment Racks

Platform Monitoring Systems

DiGiCo SD7 Digital Console
Sennheiser 300 series In Ear Monitoring
Professoinal Wirless Systems Antenna & Distribution
Tascam CD playback and Recording
HHB CD playback and Recording
Numark iDEC iPod Dock
Bittree Patchbays
SurgeX Power Conditioning
Sound Construction & Supply Equipment Racks

Audio for Video

DiGiCo SD7 Digital Console
Beck Custom Console

Wireless Microphone Systems

Shure UR4D

Projection Systems

Christie HD18K IMAG Projectors
Christie S+20K (x2) Center Projection
Stewart Projection Screens

Balcony Face Display

NEC X461UN Narrow Bezel Displays
Aja Hi5 HD-SDI Conversion
Crestron Control Systems

Video Production Systems

APC UPS Systems
ADC Triax Patching
ADC Fiber Patching
AJA HD-SDI Distribution and Conversion
Atlona DVI Extenders
AVID Deko Character Generator
Avitech MultiViewer
Avocent KVM Systems
Cannon Lenses
Beck Custom Furniture & Cabinetry
Dell Monitors
Ensemble Design Brightey HD-SDI Conversion
ESE Network Display Clocks
EVS Playback and Recording Servers
Evertz Master Clock
Evertz Terminal Gear (Conversion, Distribution, etc)
Evertz Monitor Wall Processing
Evertz Audio and Video Routers
Extron Video Conversion and Transmission
Genelec Monitors
Image Video Tally Systems
Middle Atlantic Racks
Panasonic Robotic Cameras
Riedel Digital Intercom
Riedel MediorNet Distribution
Sony MVS8000 Switcher - IMAG
Sony MVS8000 Switcher - Broadcast
Sony MVS8000 Switcher - Studio
Sony HSC300K Studio Cameras
Sony PDWF75 XDCAM Recorders
Samsung DVD/VHS Recorders
Telex Headsets
Vinten Tripods and Heads

Theatrical Lighting Dimming

ETC SR48+ Dimming Racks
ETC D20E Dimming Modules
ETC Smart Switch Relay Panels
ETC Unison Architectural Lighting Control
ETC SmartBar Portable Dimming Bars

Theatrical Lighting Consoles

MA Lighting GrandMA2 Lighting Console
MA Lighting GrandMA2 Lite Lighting Console

Fixtures

Martin Tripix LED strip lights
Martin MAC III Profile
Martin Mac 2K Wash XB
Martin Mac III Performance
Martin Mac250 Entour
Marting StageBar LED
ETC Source Four Par-EA
ETC Source Four Ellipsoidal

Children's Auditoriums AV

Meyer Sound UPQ-1P Loudspeakers
Meyer Sound UPA-1P Loudspeakers
Meyer Sound UPJunior Loudspeakers
Meyer Sound USW-1P Subwoofers
DiGiCo SD9 Digital Consoles
Tascam CD Playback and Recording
Shure ULX Wireless Microphones
Middle Atlantic Racks
Extron IN1508 Graphics Switcher
Christie LW650 Projectors
Dell 7609WU Projectors
DaLite Projection Screens
Aja HD-SDI Conversion and Distribution
Extron Video Conversion and Distribution
Panasonic Blu-Ray Player
Crestron Control Systems

Classrooms & Ministry Rooms

Meyer Sound UPJunior Loudspeakers
Tascam CD Player
Extron IN1508 Video Switcher
Sony LCD Displays
Panasonic Blu-Ray Player
AJA HD-SDI Distribution and Conversion
Crestron MPC-M25 Control Systems
FSR Wall Boxes
NuCraft Custom Podiums

Distributed Video Systems

LG LCD Displays
Blonder Tongue Modulation
Blonder Tongue QAM Modulation
Contemporary Research Modulation
Blonder Tongue Distribution Amplifiers, Taps, and Splitters
Crestron Control Systems