

Lynnhurst Church Sanctuary Sound and Video Project Details

Sound and Video Systems

1. Remove existing Speakers attached to Beam and install new McCauley speaker system in this location. Existing speaker cable may be used. The speaker should be located with the top near the apex of the lower beam members. Determine the vertical angle to provide best coverage for the sanctuary seating areas.
2. Re-locate the existing mic input jacks that are currently behind the North seating sections on the front platform. The new location is “to be determined” following the final decision for the choir layout.
3. Provide mic jacks at the lecturn, pulpit and front row north pew (under the pew; near the center aisle). (3 pin XLR female jacks)
4. Extend the existing 6 mic lines and one speaker line from the current location at the rear of the sanctuary to the new location for sound and video.
5. Add 12 new mic lines from the sound & video position to the front platform of the sanctuary. Location to be determined at the front platform. Use 3 pin XLR female jacks at the front platform. Use 3 pin XLR male connectors on individual cable ends at the sound and video area. Provide suitable length for equipment connection at the the sound and video area in the rear of the sanctuary. Spare lines for future expansion should be located under the sound desk.
6. Provide and Install audio and video equipment as listed on the Equipment list and as detailed in the Sound and Video Block diagrams.
7. Provide a custom mounting enclosure for the DataVideo 4- Monitor panel. This is a 2U rack sized monitor panel. The mounting enclosure will sit on the desk with the video mixer/ switcher. Design to coordinate with the cabinetry in the sound area.
8. Mount fixed cameras in the locations detailed on the drawing. Work with the architect and other contractors as needed to provide a mounting structure that is appropriate to coordinate with the visual design of the sanctuary. Provide composite video lines from cameras to sound and video equipment at the desk and equipment rack. Provide suitable RS-232 cable from cameras to sound area for future expansion of the system. Work with electrical contractor to provide electrical power to the cameras. Present a plan for visible cable runs to the architect for approval.
9. Install the two new AT choir mics. They will hang from the ceiling beam west of the beam the speaker system is attached (see notes on drawing). Determine the best position and direction based on the final choir layout design. Route the cables on the back side of the beam and to the logical input jack location. Terminate the cables with 3 pin male XLR connectors and provide suitable cable length for connection to the mic input jacks.
10. Integrate existing Hanging mic into the sound system
11. Integrate existing Hearing Assistance system into the audio system.

12. Install 120 volt supply and low voltage wiring and boxes for future motorized screen.
13. Install wiring for computer video input at front of sanctuary and control position at rear of sanctuary to future projector position. Install composite video line from control area to future projector location.
14. Submit 4 copies of catalog cuts of all equipment to Architect for review and approval.
15. Test all system components and systems operation. Analyze the response of the sound system in the room and make initial system EQ settings. Provide equipment manuals for Church Staff.
16. Provide guarantee of entire sound and video installation and equipment for a period of one year from completion of installation.