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## SITE

**Address**

Park Hill School District  
Kansas City, MO 64153  
7703 NW Barry Rd

**Vicinity Map**

[Map showing project site]
Integrator Qualifications

Integrator from the requirement of furnishing all materials and equipment, or performing any work, that may be required to complete the contract for this project. Protect all existing work in place by others from damage by the Integrator, the Integrator's agents/sub Integrators, or any employees, responsible for the protection of all equipment from damage, theft or vandalism regardless of cause, until ownership is necessary to complete the contract for this project.

Integrator shall set up and configure all programmable AV and control system devices as directed by PHSD. All source equipment shall be loaded software and configuration files into all programmable AV and control system devices.

Program audio reinforcement shall be provided by distributed, in-ceiling loudspeakers.

One-year warranty of the equipment and installation.

Assistance during Training.

Accurate documentation of the equipment and installation.

Long Lead Time Equipment Submittal:

Submittals must include installation details including any approvals from a licensed structural engineer as required.

Indicate whether or not the project was completed on time, and if not explain why not

Acceptable manufacturers: Belden, Geico, West Penn Wire, Commscope, Tappan.

Connector Impedance must match cable type

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1. Provide a service loop for each cable that connects to equipment in racks or AV furniture. Service loop length shall be at least 6 feet for Category cable and 24 feet for coaxial cable.

2. Do not use sticky back cable anchors.

3. Provide cable anchors for any cable or cable bundle larger than 1-inch diameter, permanently installed and not in conduit.

4. Provide grommets or chase nipples at cable entry where conduit is not installed.

5. Use only cable-end connectors designed for the intended coaxial cable required. Apply connector with a crimp die designed for the correct type of connection.

6. Use properly sized spade lugs for cable gauge and screw size.

7. Provide insulated spade lugs for screw terminals, two lugs per terminal maximum.

8. Do not exceed 40% conduit fill.

9. All equipment and enclosures described in this specification shall be installed plumb and square unless specifically noted otherwise.

10. Do not make any in-line cable splices unless specifically noted.

11. The integrator shall take precautions to ensure that cabling is not kinked, compressed or otherwise damaged such that performance is altered.

12. The integrator shall coordinate with PHSD to extend the AV AC power circuits and insulated ground wires into each equipment rack.

13. Electrical System Connections: The integrator shall coordinate with PHSD to extend the AV AC power circuits and insulated ground wires into each equipment rack.

14. The integrator shall coordinate with PHSD to extend the AV AC power circuits and insulated ground wires into each equipment rack.

15. Submittals

   a. A document describing proposed user interfaces for each system shall be submitted per the approved project plan. The document shall describe the typical control programming requirements.

   b. All requirements herein are minimum requirements, full and specific functionality shall be coordinated with the electrical system connection plan.

   c. User interfaces should be task driven, and should use graphics that easily show shape and steps in changes in addition to color changes to be used with added highlights.

   d. Submittals

      i. The integrator shall include a schedule of milestones for software programming in the project plan submittal.

      ii. A document describing proposed user interfaces for each system shall be submitted per the approved project plan. The integrator shall include a schedule of milestones for software programming in the project plan submittal.

      iii. A document describing proposed user interfaces for each system shall be submitted per the approved project plan. The integrator shall include a schedule of milestones for software programming in the project plan submittal.

      iv. User interfaces should be task driven, and should use graphics that easily show shape and steps in changes in addition to color changes to be used with added highlights.

      v. Submittals

         i. The integrator shall include a schedule of milestones for software programming in the project plan submittal.

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         iii. A document describing proposed user interfaces for each system shall be submitted per the approved project plan. The integrator shall include a schedule of milestones for software programming in the project plan submittal.

         iv. User interfaces should be task driven, and should use graphics that easily show shape and steps in changes in addition to color changes to be used with added highlights.

   f. Functional Requirements

      i. Power control of a system is device and system dependent. As a standard when the system is turned on, the command to power on shall be sent to the device. As a standard when the system is turned off, the command to power off shall be sent to the device.

      ii. Power control of a system shall be enabled or disabled as required by the end user.

      iii. Power control of a system shall be enabled or disabled as required by the end user.

      iv. Power control of a system shall be enabled or disabled as required by the end user.

   g. Technical Requirements

      i. The integrator shall provide a description of proposed presentation tools and options.

      ii. User interface shall be task driven, and should use graphics that easily show shape and steps in changes in addition to color changes to be used with added highlights.

      iii. User interface shall be task driven, and should use graphics that easily show shape and steps in changes in addition to color changes to be used with added highlights.

      iv. User interface shall be task driven, and should use graphics that easily show shape and steps in changes in addition to color changes to be used with added highlights.