

Project Q & A

Project Owner:	Hudsonville Public Schools
Project Name:	Technology Additions and Renovations
Issue Date:	August 16, 2023

Project Questions and Answers:

This document provides answers to questions asked by bidders who have reviewed the Technology Request for Bid for the above referenced project.

Q1	<p>The specifications mention Category 6A jacks for wireless access points but I see no mention of Category 6A cable or patch panels.</p> <p>2.04 WIRING DEVICES</p> <p>A. All station cable shall terminate on modular jacks that meet or exceed:</p> <ol style="list-style-type: none"> 1. Category 6A compliant (Access Points Only) 2. Category 6 compliant 3. 8 position T568B compliant modular female jack. 4. Modular jacks that terminate above the finished ceiling will be plenum rated. <p>Do you want Category 6 or Category 6A for the wireless access points?</p>
A1	<p>CAT6A specific patch panels are not required. CAT6A data drops will be used for wireless. This is noted on the drawings as 1AP.</p>
Q2	<p>The mention of Category 6A leads to other questions. Many of the symbols on the drawings included in the Appendices use a ceiling mount symbol with a 2D designation and a 1AP designation. What does this mean? How many of what type of cable do you want at these symbols?</p> <p>Two Category 6 cables and a wireless access point happen to be going there. Two Category 6A cables for a single wireless access point. Two Category 6 cables and 1 Category 6A cable for a wireless access point. Three Category 6 cables with one or two being used for a wireless access point.</p>
A2	<p>The notation 2D next to a ceiling or wall symbol requires two CAT6 data drops. The notation next to 2D and 1AP requires 2 CAT6 data drops and one 1 CAT6A data drop. all ceiling drops are to be terminated into a biscuit box and coile above the ceiling.</p>
Q3	<p>Would the district consider Milestone as an “approved equal”?</p>
A3	<p>No. The district is currently ExacqVision and will not be moving to another system for Video Surveillance at this time.</p>

<p>Q4</p>	<p>Question on paging section. For these buildings, is the district providing the Revolution licenses to extend the existing system to these new IP speakers? I think those come from the district phone vendor. PG91 1.01 B. Owner desires to add to systems currently in operation and serving indicated locations on drawings.</p> <p>On the other hand, it looks like some paging RFP boilerplate got mixed in later in this section...</p> <p>PG95 2.04 C. System shall reside on a Contractor provided server that shall be installed in the building MDF. (this would come from the Revolution subscription for a survivable gateway and not be contractor supplied if 1.01B is correct)</p> <p>PG95 2.04 E. The Owner has preference for software licensing based on a persistent or perpetual model. Monthly or annual subscription licensing will not be as favorably considered as the preferred model (if this is extending the existing district Revolution system to these IP speakers, is 2.04 C and E in conflict with 1.01B??)</p> <p>Please clarify.</p>
<p>A4</p>	<p>No server is required for the public address system. PA speakers will be added to the owner network. All licenses will be supplied by the Owner.</p>
<p>Q5</p>	<p>The drawings (27 51 16) for Bauer and Park Elementary in the bid document show several outdoor speakers getting installed (at least the Symbol Legend shows these as new wall mounted speakers) but the Public Address section gives no mention of outdoor speakers or a model to bid. This also applies to the drawings for the Alternate sites.</p>
<p>A5</p>	<p>Outdoor speakers shall be Advanced Network Devices Model Number: IPSWS-SM-O. Indoor wall mount speakers shall be Advanced Network Devices Model Number: IPSWS-SM</p>
<p>Q6</p>	<p>The Jamestown Lower Elementary School "Section 27 10 00 – Low Voltage Cabling ALTERNATE ADDITIONS" page is very blurry in both print and PDF where the data symbols are illegible. Could you re-issue a cleaner drawing or provide guidance on how to assume the data count's per location?</p>
<p>A6</p>	<p>This Drawing and scope at this building has been removed.</p>
<p>Q7</p>	<p>Section 2.07 MULTIMEDIA INFRASTRUCTURE CABLE - H. EPSON Projector Remote input/switcher device. 2. USB-C extension cable shall be of commercial first-class quality manufacture and meet or exceed the following requirements</p> <ul style="list-style-type: none"> • Are these needed?
<p>A7</p>	<p>No, this is not needed.</p>

Q8	2.08 MULTIMEDIA CONNECTION BUNDLES - 2. Classroom Multimedia Workstation USB-C Category 6 Patch Cable (M/M) and 3.5mm Audio Cable M/M. <ul style="list-style-type: none"> Are these needed? If so, where do they connect too?
A8	No, these are not needed.
Q9	2.14 GYMNASIUM EQUIPMENT <ul style="list-style-type: none"> Crestron DMPS3-4K-150-C, MP-WP130-B, TSW-752-W-S are all discontinued. DM-RMC-4K-100-C – Not shipping until Q1 2024 <p>Can a QSYS system for the Gyms be used instead of Bi-amp? The district already has a number of QSC systems installed.</p> <p>Any chance of getting a design drawing for the two Gyms?</p>
A9	Provide Manufacturer recommended replacements for discontinued items. Yes, QSYS will be accepted as an equivalent.
Q10	What about appendixes with room counts and qty's for classroom systems?
A10	Appendix A: Addendum 1 has been added for counts. It is still the responsibility of the contractor to do their own counts for verification.
Q11	Are we able to get the due date pushed back?
A11	No extension of the date at this time.
Q12	Video Monitoring; Is all the Category 6 cabling for the cameras supplied and installed by others (i.e. the cabling contractor)?
A12	All Category 6 cabling is supplied by the cabling/low voltage cabling contractor.
Q13	Per Addendum 1, It appears that South Elementary was removed from the scope for cameras, is that correct?
A13	South has been removed from Video Monitoring System Alternate.
Q14	Video Monitoring; Are any patch cables required, and if so how many and what type?
A14	Patch cables are only needed at the device end. Cabling contractor to supply 2 foot patch cables. Patch cables at device end can be blue in color. Closet end patch cables will be supplied by the Owner.
Q15	Question on cabling for Public Address and Clocks sections; Does the work scope for each of these categories also include cabling? So a bid for Section 27 53 13 clocks needs to include the data cabling for these clocks? Likewise 27 51 16?

A15	Cabling for Public Address and Clocks will be provided by the Low Voltage Contractor.
Q16	Is all cable for Hudsonville to be Category 6 plenum rated? There is no longer any Category 6A?
A16	All cabling will be plenum rated. There are some CAT6A locations still listed. Two CAT6A at Bauer and five CAT6A at Park are required as part of base bid.
Q17	The Northwest Door E117A on the gymnasium at Bauer Elementary should be E117C according to the construction drawing.
A17	Correct.
Q18	The Axis M3058-PLVE camera is obsolete, the suggested alternative is the M4318-PLVE. Is it OK to quote the new model for the "SC5" camera?
A18	Yes.
Q19	<p>Can you confirm that all electric strikes and latch retractors are to be supplied and installed by the door contractor?</p> <p>For the doors that are receiving PoE locks (like C112A at Bauer), the only cabling required would be one Cat6 cable, correct? Will that be installed by the cabling contractor?</p> <p>It appears per the Section 08 door schedules that door contacts and motion sensor devices are supplied by the door contractor, but you specify some to be provided by the access control contractor per the marked up drawings. For example, see below from the door schedule for Bauer Elem – only the card reader is listed as supplied by the security contractor. All other equipment listed is provided by the door contractor.</p>
A20	<p>You are correct about the cabling to an extent. We will need the 28 13 00 Building Access System to provide the data cable from the biscuit termination to the PoE Lockset.</p> <p>There was some difference between Bauer's and Park's Hardware sets. I have Addendum 2 being released that clarifies items and puts door contacts, motion sensors and PoE devices under the Building Access Systems scope. That will be marked by a box surrounding the hardware that is to be supplied by the Building Access Contractor.</p>

END OF QUESTIONS AND ANSWERS #1