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Addendum #2

Date: 02/03/2012

Project: St. Joseph Public School High School Technology - Project 2344A

This addendum forms part of and modifies the Project Specifications, Contract Forms and Drawings dated 1/20/12. Bidders are to acknowledge receipt of the addendum on the bid forms.

Drawing Updates

Project phasing drawings prepared by Shelton Construction are released in PDF format as part of this addendum.

Specification Updates

Cable Fire Rating

All cables installed above ceilings shall be **plenum** rated.

Intrusion Alarm System

Annunciators

Alarm system annunciators were omitted from drawings. For your bid, include 16 annunciators to be installed in building hallways.

Access Control Integration

Alarm system panel shall provide one contact closure output per alarm zone. Contact closure shall indicate when the alarm system is active in each zone. Outputs shall be wired to access control system.

Access Control System

Alarm Integration

Access control system shall accept one contact closure output from Alarm System panel for each alarm zone. Each output should indicate when the corresponding alarm zone is active. Access control shall only allow access to building from doors in an active alarm zone if that door has an associated alarm keypad.

Elevator Integration

Access control shall be provided for three existing elevators at a total of six door locations. Each elevator call button will require an associated proximity reader. Elevator call button shall only operate for 15 seconds after a valid card read. Access Control Contractor shall contract with ThyssenKruup for any required parts and labor to complete this integration. Contact information for ThyssenKruup is:

Bradley Figgins, Branch Manager
ThyssenKrupp Elevator Americas
6968 Mc Nerney Road
Northwood, OH 43619
Phone: 419-666-3304, Fax: 866-296-0067, Mobile: 419-351-4550
E-mail: bradley.figgins@thyssenkrupp.com

Bid Forms

Updated bid forms dated **02/03/2012** in word and excel are provided with this addendum.

Questions and Answers

1) Reference drawing T6.2 AV6, Music Rooms, Addendum #1. Is the Structure Cabling Contractor responsible for the Cat6 cable and keyed jacks between the WP2 in the AR (audio rack) to the CR (classroom rack)? Also in the music rooms, T1.2D, calling out for the AV6 systems, I do not see a CR location on the drawing for these rooms.

   Answer: Structured Cabling Contractor is responsible for the category 6 drops indicated in gray on sheet T6.2. The black- keyed jack indicted in black is the responsibility of the AV Contractor. CR locations will be provided in music rooms at projector location.

2) Drawing TG.4 the T1/T2 presentation cabling risers and sheet TG.2 call for 2 data plus 5 keyed at each T1/T2 while the #6 presentation faceplate added on Addendum #1 calls out for 1 data drop with 5 keyed jacks. Which is correct?

   Answer: All T1 and T2 locations consist of five keyed jacks for A/V and two data drops. The #6 faceplate is shown incorrectly on sheet TG.4 and should be a double-gang faceplate.

3) In server room C136 who is installing existing racks, plywood & cable tray in that room?

   Answer: This was part of a prior bid and was awarded to another contractor.

4) Under the 18 Structured Cabling portion there is not a Contractor Qualification section, spelling out such things as having the Project Manager being an RCDD and the Lead Foreman being a BICSI Certified Technician Level, etc. Are you dropping requirements such as these from this project?

   Answer: BICSI certifications are desired but not *required. Panduit PCI certification is required.*

5) Under Section 18.10 Category 6 Patch Cords, it does not spell out that these need to be Panduit. Do these patch cords need to Panduit?

   Answer: Patch cords must be high quality Category 6 certified cords with molded or booted ends. Panduit brand is not required. Cabling contractor will be required to submit samples of each color and length of patch cords for approval by owner prior to ordering. Cables of poor or inconsistent construction quality will not be accepted.

6) Section 18.5.7 Cable Tray calls for Flextray or equivalent but drawing TG.2 calls out J-hooks. Which is correct?

   Answer: Flextray is required where indicated in TC detail drawings. Cable support in hallways shall be J-hooks or similar support on minimum five-foot centers.

7) It appears that the door position switches report to the Access Control System only, please confirm.

   Answer: This is correct. The alarm system will use only motion detectors.

8) It appears the wireless gear required for transmission of the Parking Lot Surveillance cameras is part of the Security Integrator's scope of work, please confirm.

   Answer: This is correct. All components of the Parking Lot Camera system on sheet T4.3 shall be provided and installed by the security camera contractor or their sub contractors.

9) Arecont exterior cameras will require a 24vAC power supply and a separate 16/2 cable for power?

   Answer: Camera contractor shall provide required power supply and 16/2 power cabling to support each exterior Arecont camera. Power supplies must be located in TC locations.

10) Please note that the current Intrusion System Architecture relevant to the location of keypads exceeds the aggregate keypad wire tolerance for the system. Can the successful respondent make final keypad location adjustments/consolidate as necessary with Secant and the Owner based on the wire tolerance?

    Answer: Number of alarm system keypads shall be revised to two. Final locations of keypads shall be coordinated with owner.

11) What is the structured cabling contractor's responsibility for a "blank drop"?

    Answer: Provide and install faceplate to blank a (0) location. This will be either a standard single or double-gang faceplate or one or two decora blanks for wiremold locations.

12) What is the structured cabling contractor's responsibility for CM2 camera locations on the outbuildings in the parking lot, page TC.1.

    Answer: The structured cabling has no responsibility for the Parking Lot Camera System.

13) Are all existing low voltage lines to be demoed out from all of the areas of new construction with the exception of closet-to-closet backbones that are listed as existing in the riser diagram?

    Answer: Yes.

14) What type of face plates are required for tombstone locations, or are these provided with the tombstone?

    Answer: Assume 106 frames.

15) What type of face plates are required for floor box locations, or are these provided with the floor box?

    Answer: Floor boxes will need to be field verified by structured cabling contractor and AV contractors. Assume that wiremold or Hoffman adaptor plates will need to be provided for floor boxes to adapt to Panduit jacks.

16) What is required by the structured cabling contractor for the drops that are fed from a ceiling mounted cord reel?

    Answer: Drops cables shall be terminated at ceiling in surface boxes next to power cord reels. For each drop, provide an industrial-rated patch cord to extend drop down to table surface. Each industrial patch cord shall be wrap labeled at each end with corresponding drop ID.

17) How are rough in types determined, face plate styles in particular? For example, in Wiremold, flush mount, surface mount, etc.

    Answer: This can be determined by referencing the complete electrical drawings. This is likely not required to prepare bid responses. Construction drawings may be viewed on-line by contacting Kevin Brown at Reprographic Arts (kbrown@reprographicarts.org).

18) May we provide AMX Schoolview as an alternate for several of the systems?

    Answer: The owner intends that all systems in the High School be compatible with systems recently installed in other buildings. Because of this, AMX Schoolview is not a viable option.

19) For the two classrooms located in the Athletic Wing that are outside of the construction scope who will provide the Hoffman Box for the CR locations and the power in the CR?

    Answer: Structured Cabling Contractor shall provide and install the required Hoffman boxes for each CR location. Structured Cabling Contractor shall also and install the electrical outlet inside the CR. Electrical power for CR may be relocated from existing TV location in each room.