

## **ADDENDUM NO. 1**

TO THE DRAWINGS AND SPECIFICATIONS  
FOR THE  
Harrison Elementary School-Preschool Addition & HVAC Upgrade  
Lexington, Kentucky  
RTA 2251  
BG 23-124  
FCPS Bid 56 -23  
November 2, 2023

### **To All Plan Holders of Record:**

This Addendum modifies bid documents dated October 23, 2023, for the above project and shall become part of said documents in the preparation of proposals and execution of work of the subject project.

### **General:**

1. The pre-bid meeting **sign-in sheet is attached** to this addendum.
2. The last date for the Architect to receive items to be addressed in any addenda is November
3. 8, 2023 by 5:00 p.m.
4. Refer to the **attached Addendum #1- MEP** dated 11/02/2023 for Electrical items from KFI Engineers.
5. Clarification on Harrison Elementary School Clinic operating hours and schedule:
  - a) Clinic operates from 8:00 a.m. to 4:00 p.m., Monday through Friday.
  - b) The clinic typically extends its services beyond the last day of school in May/June and resumes operations approximately three weeks before the start of school in July/August. However, please note that these timings may be subject to change.
  - c) The clinic follows the school schedule for breaks such as fall break, spring break, and holidays.

### **Specifications:**

1. **Refer to Specification Section 102800 Toilet and Bath Accessories:**
  - a) Refer to Section 1.02, remove line-item A.2 Electric Hand Dryer.
  - b) Refer to Section 2.01, A, remove mention of “excluding the electric hand dryer”.
  - c) Refer to Section 2.06 Electric Hand Dryer. Remove section from Specifications.

### **Drawings:**

1. **Refer to sheet A2.1.**
  - a) Replace the Electrical Hand Dryers in Restrooms 130A, 131B, and 132B with Paper Towel Dispensers in all views on the sheet.
2. **Refer to sheet A1.1**
  - a) Enlarged Plan: Replace the EHD toilet Accessory tag in Restrooms 130A, 131B, and 132B with APTD
  - b) Toilet Accessories, Device, And Equipment Mounting Heights: Remove the electric hand dryer.
  - c) Toilet Accessories legend: Remove the electrical hand dryer.

**END OF ADDENDUM**

DATE: November 1, 2023  
TIME: 04:00 p.m.

RE: Harrison Elementary School - Preschool Addition & HVAC Upgrades  
Lexington, Kentucky  
BG 23-124  
RTA 2251  
FCPS Bid #56-23

MEETING TYPE: Pre-Bid Conference

IN ATTENDANCE:

Sarah Lamere  
Faye Bahrami  
Lara Finneseth  
John Haddix  
Jamie Egli  
Clynton Nevill  
Jason Sanders  
Jeremy Roberts  
Ernie Simpson  
Sarah Lamere  
Sean Robinson  
Greg Krausz  
Mollinda Joseph-Dezarn  
Sarah A. Gaines  
Scott Fitch  
Lisa Clark  
Damon Edwards  
Sean Edwards

REPRESENTING:

RTA  
RTA  
FCPS - FDIC  
Varboe Construction, INC.  
Guardian  
Siemens  
Total Power Electrical Services  
BEX Construction Inc  
JUSTIN CONSTRUCTION  
ROSTARRANT ARCHITECTS  
TPM Group  
KFI Engineers  
~~RTA~~ FCPS - FDIC  
FCPS  
FCPS - FDIC  
FCPS - FDIC  
Sand D Const  
Sand D Construction ~~MANAGED~~

# ADDENDUM



**Date:** 11/02/2023  
**Project:** Harrison Elementary School Renovations

**KFI Project Number:** 23-0180.00

**Addendum Number:** 1

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THIS ADDENDUM IS A CONTRACT DOCUMENT AND MAY APPLY TO ANY OR ALL CONTRACTS AND SUBCONTRACTS UNLESS OTHERWISE SPECIFIED HEREIN OR SHOWN ON THE ATTACHED DRAWINGS (IF ANY). ALL WORK REQUIRED BY THIS ADDENDUM SHALL BE IN COMPLETE ACCORD WITH THE CONTRACT DOCUMENTS AND SUBSEQUENT ADDENDA THERETO. THE ITEMS LISTED IN THIS ADDENDUM ARE NOT IN ANY ORDER IN REGARD TO THE DRAWINGS OR THE SPECIFICATIONS. ALL CONTRACTORS ARE CAUTIONED TO EXAMINE EACH AND EVERY ITEM OF THIS ADDENDUM.

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THE FOLLOWING CHANGES OR CLARIFICATIONS TO THE PLANS & SPECIFICATIONS SHALL BE INCLUDED AS PART OF THE CONTRACT DOCUMENT

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## ELECTRICAL

### **SPECIFICATION CHANGES:**

1. **Section Number: 281000 – Access Controls section revised**
2. **Section Number: 282000 – Video Surveillance section revised**

### **PLAN SHEET CHANGES:**

3. **Sheet E3-1: Removed hand dryer connections in all restrooms.**
4. **Sheet E6-1: Panelboard modifications for hand dryers.**

*END OF ADDENDUM*

**SECTION 281000  
ACCESS CONTROL**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A Access control system requirements.
- B Access control units and software.
- C Access control point peripherals, including readers and keypads.
- D Accessories.

**1.2 RELATED REQUIREMENTS**

- A Section 087100 - Door Hardware: Electrically operated door hardware, for interface with access control system.
- B Section 260526 - Grounding and Bonding for Electrical Systems.
- C Section 260533.13 - Conduit for Electrical Systems.
- D Section 260553 - Identification for Electrical Systems: Identification products and requirements.

**1.3 REFERENCE STANDARDS**

- A NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.
- B UL 294 - Access Control System Units Current Edition, Including All Revisions.

**1.4 SUBMITTALS**

- A See Section 013000 - Administrative Requirements, for submittal procedures.
- B Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.

**1.5 WARRANTY**

- A See Section 017800 - Closeout Submittals, for additional warranty requirements.

- B Provide minimum a one year guarantee of the installed system against defects in material and workmanship. All labor and materials shall be provided at no expense to the owner. Guarantee period shall begin on the date of acceptance

## **PART 2 PRODUCTS**

### **2.1 MANUFACTURERS**

- A Subject to compliance with requirements, provide products by the following:
  - 1. Sonitrol.

### **2.2 ACCESS CONTROL SYSTEM REQUIREMENTS**

- A System Components:
  - 1. Power Supply
    - a. Shall be equivalent to Altronix IM-24V40VA
- B Provide products listed, classified, and labeled as suitable for the purpose intended.
  - 1. Access Control Units and Readers: Listed and labeled as complying with UL 294.

### **2.3 ACCESS CONTROL UNITS AND SOFTWARE**

- A Provide access control units and software compatible with readers to be connected.
- B Unless otherwise indicated, provide software and licenses required for fully operational system.

### **2.4 ACCESS CONTROL POINT PERIPHERALS**

- A Provide devices compatible with control units and software.
- B Provide devices suitable for operation under the service conditions at the installed location.
- C Readers and Keypads:
  - 1. General Requirements:
    - a. Provide readers compatible with credentials to be used.
    - b. Color: To be selected by Architect from manufacturer's available standard colors.
- D Door Position Switches:
  - 1. Magnetic Contacts: Encapsulated reed switch(es) and separate magnet; designed to monitor opened/closed position of doors.
  - 2. Contact Color: To be selected by Architect from manufacturer's available standard colors.
- E Door Locking Devices (Electric Strikes and Magnetic Locks): Comply with Section 087100.

### **2.5 ACCESSORIES**

- A Provide components as indicated or as required for connection of access control system to devices and other systems indicated.
- B Unless otherwise indicated, credentials to be provided by Owner.
  - 1. Provide credentials compatible with readers and control units/software to be used.
- C Provide cables as indicated or as required for connections between system components.
- D Provide accessory racks/cabinets as indicated or as required for equipment mounting.

### **PART 3 EXECUTION**

#### **3.1 INSTALLATION**

- A Install access control system in accordance with NECA 1 (general workmanship).
- B Install products in accordance with manufacturer's instructions.
- C Wiring Method: Unless otherwise indicated, use wiring in conduit.
  - 1. Use suitable listed cables in wet locations, including underground raceways.
  - 2. Use suitable listed cables for vertical riser applications.
  - 3. Install wiring in conduit for the following:
    - a. Where required for rough-in.
    - b. Where required by authorities having jurisdiction.
    - c. Where exposed to damage.
    - d. Where installed outside the building.
    - e. For exposed connections from outlet boxes to devices.
  - 4. Conduit: Comply with Section 260533.13.
  - 5. Use power transfer hinges complying with Section 087100 for concealed connections to door hardware.
  - 6. Do not exceed manufacturer's recommended maximum cable length between components.
- D Provide grounding and bonding in accordance with Section 260526.
- E Identify system wiring and components in accordance with Section 260553.

#### **3.2 SUMMARY**

- A Access Controls devices are to be an extension of the existing system. The existing access control system is a Sonitrol system. All new components are to be compatible with the existing system. All new devices are to be wired back to the head end equipment.

**END OF SECTION 281000**

**SECTION 282000  
VIDEO SURVEILLANCE**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A Cameras.

**1.2 RELATED REQUIREMENTS**

- A Section 260526 - Grounding and Bonding for Electrical Systems.
- B Section 260529 - Hangers and Supports for Electrical Systems.
- C Section 260553 - Identification for Electrical Systems: Identification products and requirements.

**1.3 REFERENCE STANDARDS**

- A IEEE 802.3 - IEEE Standard for Ethernet 2022, with Amendments (2023).
- B NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.
- C NECA 303 - Standard for Installing and Maintaining Closed-Circuit Television (CCTV) Systems 2019.
- D NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

**1.4 SUBMITTALS**

- A See Section 013000 - Administrative Requirements, for submittal procedures.
- B Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.

**1.5 QUALITY ASSURANCE**

- A Comply with the following:
  - 1. NFPA 70.
  - 2. Applicable TIA/EIA standards.

**PART 2 PRODUCTS**

## 2.1 MANUFACTURERS

- A Subject to compliance with requirements, provide products by the following:
1. Sonitrol.

## 2.2 CAMERAS

- A Provide cameras and associated accessories suitable for operation under the service conditions at the installed location. Provide additional components (e.g. enclosures, heaters, blowers, etc.) as required.
- B Where not factory-installed, provide additional components (e.g. lenses, mounting accessories, etc.) as necessary for complete installation.
- C Network (IP) Cameras:
1. Signal-to-Noise Ratio: Not less than 50 dB.
  2. Provide the following standard features:
    - a. Automatic electronic shutter.
    - b. Automatic gain control.
    - c. Automatic white balance.
    - d. Web-based interface for remote viewing and setup.
    - e.
  3. The camera shall be equipped with an integral event functionality, which can be triggered by:
    - a. External input
    - b. Video Motion Detection
    - c. Audio detection
    - d. Schedule
    - e. Camera tampering
    - f. Local storage full
    - g. Response to triggers shall include:
      - 1) Notification, using TCP, SMTP or HTTP
      - 2) Image upload, using FTP, SMTP or HTTP
      - 3) Activating external output
      - 4) Recording to local storage
  4. The camera shall provide at least 48 MB memory for pre & post alarm recordings.
  5. Event functions shall be configurable via the web interface.
  6. Network (IP) Indoor PTZ (Pan/Tilt/Zoom) Camera:
    - a. Image Sensor: 1/4 inch CMOS.
    - b. Resolution: Up to 1080p (1920 x 1080).
    - c. Frame Rate: 30 frames per second (fps) at all available resolutions.
    - d. Minimum Illumination: 1.5 lux.
    - e. Lens: auto iris, manual focus and zoom; f[1.7] High quality fixed 118 degree lens.
    - f. Power: Power over Ethernet IEEE 802.3.
  7. Network (IP) Outdoor PTZ (Pan/Tilt/Zoom) Camera Type:
    - a. Image sensor: 1/4 inch CMOS.
    - b. Resolution: Up to 1080p (1920 x 1080).
    - c. Frame rate 30 frames per second (fps) at all available resolutions.
    - d. Minimum Illumination: 0.2 lux.
    - e. Lens: Auto iris, manual focus and zoom; f 1.2.High quality fixed 118 degree lens.



- f. Power: Power over Ethernet IEEE 802.3.
- g. Be manufactured with an all metal body, supporting operations between -30 C to +50 C (-22 F to +122 F) and be IP66 rated.

### **PART 3 EXECUTION**

#### **3.1 INSTALLATION**

- A Install video surveillance system in accordance with NECA 1 (general workmanship) and NECA 303.
- B Install products in accordance with manufacturer's instructions.
- C Provide required support and attachment in accordance with Section 260529.
- D Provide grounding and bonding in accordance with Section 260526.
- E Identify system wiring and components in accordance with Section 260553.

#### **3.2 FIELD QUALITY CONTROL**

- A See Section 014000 - Quality Requirements, for additional requirements.
- B Prepare and start system in accordance with manufacturer's instructions.
- C Adjust cameras to provide desired field of view and produce suitable images under all service lighting conditions.
- D Program system parameters according to requirements of Owner.
- E Test for proper interface with other systems.
- F Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.

#### **3.3 SUMMARY**

- A The new video surveillance devices are to be an extension of the existing video surveillance system. The existing system is a Sonitrol system. All new componets are to be compatibale with the exisitng system. All new devices and componets are to be wired back to the existing head end equipment.

**END OF SECTION 282000**



