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February 27, 2026

DEFIANCE CITY SCHOOLS
Bus Maintenance Garage
Defiance, Ohio

C4-4997

ADDENDUM 2

This Addendum becomes a part of the Contract Documents and modifies them only to the extent herein set forth. Bidders shall acknowledge receipt of this Addendum on the Bid Form. Each bidder is responsible for distribution of information conveyed by this Addendum to its subbidders and suppliers.

Attachments: Section 284600
Addendum Drawing P-901 (revised)
Bid Question Log #1

ITEM NO. 1: Section 284600 – Fire Detection and Alarm

Add attached Section. Provide dedicated function fire alarm control unit and related components for supervision and monitoring of sprinkler system.

ITEM NO. 2: Sheet P-901 – Plumbing Isometric

Refer to attached revised Drawing for revised venting.

ITEM NO. 3: Sheet E-101 – Electrical Plan

Bus Repair 112: North-south dimension between L96 light fixtures shall be 16'-0".

Bus Repair 112 and Vehicle Repair 113: Provide GFCI protection for all new and existing receptacles.

END OF ADDENDUM

SECTION 28 4600 – FIRE DETECTION AND ALARM

PART 1 GENERAL

1.01 SUMMARY:

- A. Section Includes:
 - 1. Dedicated function fire alarm control units.
 - 2. Detection, control, and signaling devices.
- B. Products Installed But Not Furnished Under This Section:
 - 1. Section 21 1300 – Fire Suppression Sprinkler Systems: Sprinkler flow switches, supervisory switches.
- C. Related Requirements:
 - 1. Section 26 0500 – Common Work Results for Electrical.
 - 2. Section 26 0519 – Conductors.
 - 3. Section 26 0533 – Raceway and Boxes.

1.02 SYSTEM DESCRIPTION:

- A. Provide complete fire alarm system, including all items required to obtain approval from authorities having jurisdiction.
- B. Upon activation of any flow switch or pressure switch, all audio and visual signaling devices shall be activated. Signals shall remain locked in until manually reset at control panel, or alarm silence switch is activated.
 - 1. The control panel shall display the zone, device type and location, and date and time.
 - 2. The activation of the manual evacuation switch shall operate the system's alarm indicating appliances. Other control circuits shall not be activated. However, a true alarm shall be processed as described previously.
 - 3. The activation of the auxiliary bypass switch shall override the automatic functions either selectively or throughout the system.
- C. Any open or ground in the system, or component or power supply failure, shall cause an audible trouble alert and shall light a trouble lamp in the control panel. The audible alert may be silenced by a control panel switch, but the trouble lamp shall remain illuminated until conditions return to normal.
- D. Make all required connections to sprinkler system water flow switches and tamper switches.
 - 1. Gate valve tamper switch shall indicate as a supervisory condition only upon fire alarm control panel.
- E. In the event of power failure, the system shall automatically transfer to an emergency standby battery source.

- F. Coordinate as required with other trades to assure proper and adequate provisions in the work of those trades for interface with this section.

1.03 SUBMITTALS: In accordance with Section 01 3300 and NFPA 72.

- A. Submittals for Review: Submit the number of sets required for plan approval. Submittals shall be prepared by and bear the signature and seal of a design professional or certified fire alarm designer, as required by authorities having jurisdiction.
 - 1. Product Data: Indicate catalog cut sheets, manufacturer's installation instructions, wiring diagrams, electrical characteristics and connection requirements.
 - 2. Shop Drawings: Indicate component locations, notification circuit loads, interconnecting wiring to each device, and interfaces to associated equipment; battery calculations; describe complete sequence of operation.
- B. Submittals for Information:
 - 1. Test Reports: Indicate satisfactory completion of required tests and inspections, certified by manufacturer's representative.
 - 2. Manufacturer's Instructions: Indicate application conditions and limitations of use stipulated by Product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of Products.

1.04 CLOSEOUT SUBMITTALS: In accordance with Section 01 7700 and NFPA 72.

- A. Owner's Manual: Indicate sequence of operation, operation instructions, routine testing and maintenance requirements, record of completion, and site-specific software documentation.
- B. Record Documents: Indicate actual locations of system equipment, components, wiring, and interfaced equipment.

1.05 QUALITY ASSURANCE:

- A. Conform to ADA, UL Fire Resistance Directory and Fire Protection Equipment List, FM Approval Guide, NFPA 70, NFPA 72, and NFPA 101; state and local codes, local fire department requirements, and requirements of Owner's insurance underwriter.
- B. Designer Qualifications: Design system under direct supervision of a person experienced in design of this work and certified in Ohio as a Fire Protection System Component Designer for Fire Alarm Systems.
- C. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience, and with service facilities within 100 miles of the Project.
- D. Installer Qualifications: Company specializing in installing the Products specified in this section with minimum three years documented experience.

1.06 MAINTENANCE SERVICE:

- A. Provide service and maintenance of complete system for one year from Date of Substantial Completion. Provide minimum two inspections per year.

PART 2 PRODUCTS

2.01 MANUFACTURERS: In accordance with Section 01 6000.

- A. Edwards Systems Technology.
- B. Honeywell International; Notifier.
- C. Johnson Controls; Simplex.
- D. Secutron Fire Alarm Systems.
- E. Siemens Building Technologies, Inc.
- F. System Sensor.

2.02 FIRE ALARM CONTROL PANEL:

- A. Dedicated Function Fire Alarm Control Units: Solid state electronic type; ground fault protection; surface mounted cabinet; with locking door and tempered glass window. Panel shall contain the necessary zones, circuits, and modules to achieve the required functions; with digital alarm communicator transmitter.
 - 1. The unit shall have the capability to communicate via network communications with fire alarm control panels and other dedicated function control units.
 - 2. Provide cellular dialer or connection to Owner's existing telephone system.
 - 3. Provide remote annunciator at building entrance, if required.
 - 4. Battery Backup: Include battery operated emergency power supply with automatic transfer switch and charger, with capacity for operating system in standby mode for 24 hours followed by alarm mode for 5 minutes.
- B. Documentation Cabinet: NFPA 72; sized and labeled for record documents.

2.03 COMPONENTS:

- A. Each addressable device shall be uniquely identified by an address code entered on each device at time of installation using switches in detector's base (not in detector's head), without the use of jumpers and without relying on the device's electrical position along the communication channel. The system shall verify that proper type device is in place and matches the desired software configuration.
- B. Detection and Control Devices:
 - 1. Automatic Smoke Detectors: UL 268; ceiling mounted, addressable, photoelectric type with alarm indicator; adjustable sensitivity.
 - 2. Addressable Input Modules: As required for initiating device connections to system.

3. Control Relay Modules: Sufficient SPDT auxiliary relay contacts for each detection zone to provide accessory functions specified.
- C. Signaling Devices: UL 1638; wall mounted speaker and/or strobe, as required; white housing with red "FIRE" sign; semi-flush mounted; 25 volt or 70 volt DC speaker with 4 output taps; synchronized LED strobe light, adjustable to 15, 30, 75, or 110Cd.
- D. Wiring: In accordance with Division 26; UL listed for power limited or non-power limited fire protective circuit conductors, as required; approved by system manufacturer.
 1. Conductor Insulation Color Coding: In accordance with local requirements where applicable.
 - a. Power Branch Circuits: Black, red, white.
 - b. Initiating Device Circuit: Blue, yellow.
 - c. Signal Device Circuit: Red, black.
- E. Conduit: In accordance with Division 26.
 1. Junction Boxes and Covers: Red factory painted finish.
- F. Surge Protectors: UL listed; IEEE Category A; fast acting type (maximum 5 nanoseconds) to protect line, neutral and ground; with independent, secondary back-up suppression system and LED indicators for unit activation and loss of primary protection. In the event the primary transient protection system sacrifices under catastrophic conditions, the secondary stage of protection shall immediately take over, keeping the fire alarm panel protected from additional strikes.
- G. Provide other materials, components and accessories, not specifically described but required for complete and proper installation, as selected by Contractor or required by authorities having jurisdiction, subject to Architect's approval.

PART 3 EXECUTION

3.01 EXAMINATION:

- A. Verify that equipment provided by other trades is compatible with the system.

3.02 INSTALLATION:

- A. Install the work of this section in accordance with NFPA 72, requirements of governmental agencies having jurisdiction, and manufacturer's recommendations.
- B. Install 14 AWG minimum size conductors for detection and signal circuit conductors in conduit.
- C. Install conductors parallel with, or at right angles, to the sides and back of the enclosure. Connect conductors that are terminated, spliced or interrupted in any enclosure associated with the system to terminal blocks. Mark each terminal according to the wiring diagrams of the system. Make connections with approved crimp-on terminal spade lugs, or pressure-type terminal blocks.

- D. Automatic Detector Installation: Conform to NFPA 72. Include smoke detectors above control panels, annunciators, power supplies, and other equipment as required.
- E. Verify number of devices on each addressable circuit with the system manufacturer.
 - 1. Circuit audio devices independently of visual devices.
 - 2. Maintain minimum 30 percent spare capacity for each circuit and power supply.
 - 3. Voltage drop per circuit shall not exceed 3.0 volts.
- F. Connect conduit and wire to fire suppression system components. Verify operation of each interconnected system.
- G. Where end-of-line devices are required, mount with last device or in separate box adjacent to last device in circuit.
- H. Mounting Heights: In accordance with ADA.
 - 1. Wall Mounted Audio/Visual Indicators and Strobes: 80 inches above the highest finish floor level in the room or space, or 6 inches below finish ceiling, whichever is lower.
- I. Program and test system for proper communication with central station monitoring agency selected by Owner. Coordinate with monitoring agency.
- J. Install documentation cabinet adjacent to control panel, or in an approved location indicated at the control panel.

3.03 TESTING:

- A. Test all components through at least 5 complete cycles of operation, adjust as required, and verify that complete system functions at optimum operating level. Perform testing in the presence of the manufacturer's authorized representative, Owner's representative, and local fire department personnel.
- B. Test in accordance with NFPA 72 and local fire department requirements.

3.04 ADJUSTING:

- A. Set sound level of speakers and candela output of strobes to meet ADA and NFPA 72 requirements for each location.

END OF SECTION

SCALE: 1/2"=1'-0" 1/2" 1' 1 1/2'

SCALE: 3/4"=1'-0" 0 1/4 1/2 3/4 1'

SCALE: 1"=1'-0" 0 1/2 1 1 1/2 2

SCALE: 3/4"=1'-0" 0 1/4 1/2 3/4 1'

SCALE: 1/2"=1'-0" 0 1/2 1 1 1/2 2

SCALE: 3/4"=1'-0" 0 1/4 1/2 3/4 1'

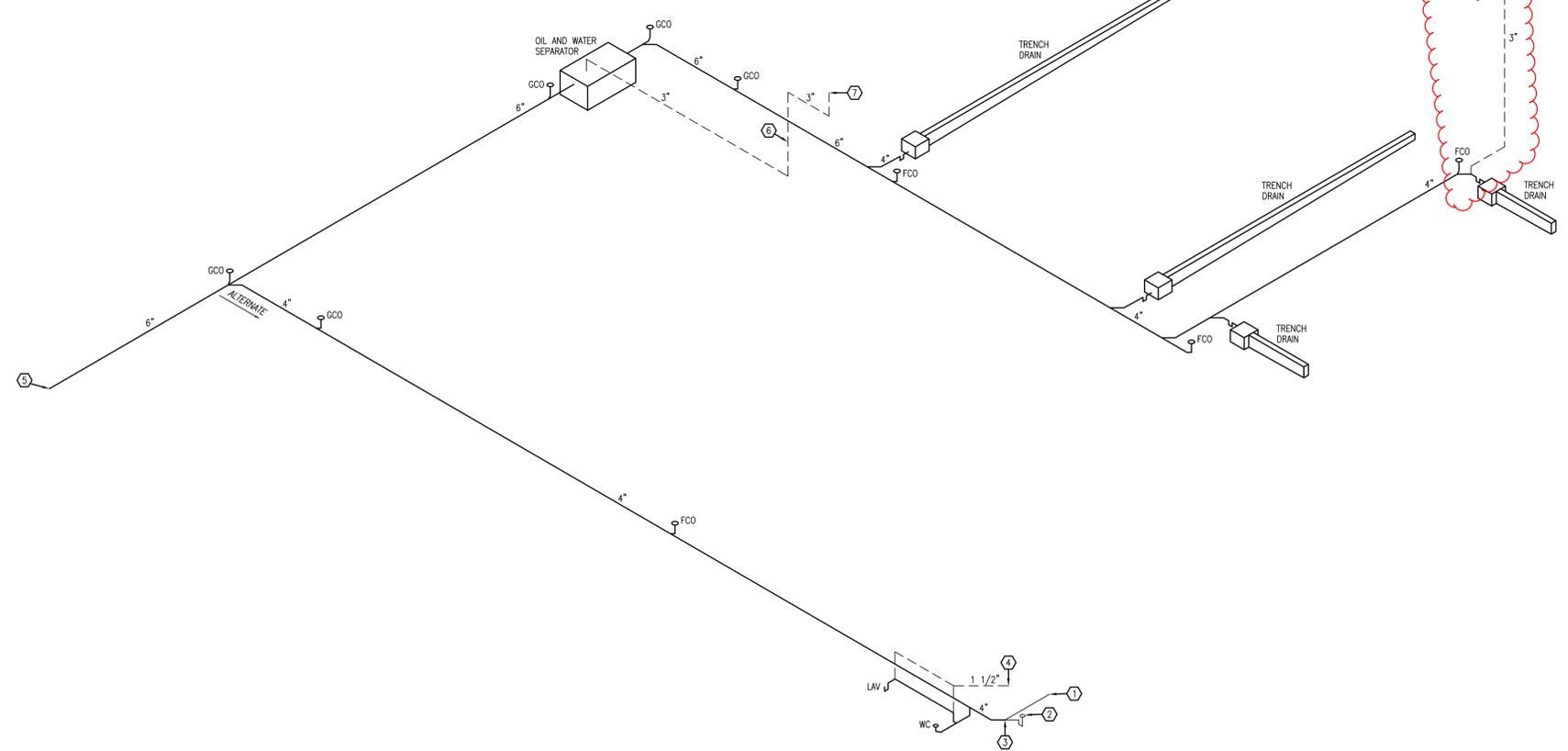
SCALE: 1/2"=1'-0" 0 1/2 1 1 1/2 2

SCALE: 3/8"=1'-0" 0 1/4 1/2 3/4 1'

SCALE: 3/16"=1'-0" 0 1/4 1/2 3/4 1'

SCALE: 1/8"=1'-0" 0 1/4 1/2 3/4 1'

SCALE: 3/32"=1'-0" 0 1/4 1/2 3/4 1'



1 PLUMBING ISOMETRIC
P-901 NO SCALE

- KEYNOTE LEGEND**
1. DRAIN FROM EXISTING TOILET ROOMS.
 2. EXISTING FLOOR DRAIN.
 3. CONNECT NEW DRAIN TO EXISTING.
 4. EXTEND AND TIE INTO EXISTING TOILET ROOM VENT; FIELD VERIFY LOCATION AND ELEVATION.
 5. CONNECT TO EXISTING SANITARY; FIELD VERIFY LOCATION AND ELEVATION.
 6. VENT RISER INSIDE BUILDING.
 7. EXTEND VENT THROUGH EXISTING ROOF.



ISSUE DATE	REVISION
1-27-26	REVIEW
2-3-26	BIDS
2-23-26	ADDENDUM 1
2-26-26	ADDENDUM 2

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BUS MAINTENANCE GARAGE
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PLUMBING ISOMETRIC

PROJECT: C4-4997

DRAWN BY: LJR

CHECKED BY: KAB

SHEET

P-901



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BID QUESTION LOG #1

The following questions and answers are distributed for supplemental information and clarification, and are not part of the Contract Documents. Questions answered by Addendum items are not necessarily repeated in this document.

- Q1. In reference to Guard Post Detail 2/A-101, will the detail be modified if the guard post foundation conflicts with the existing footing?
- A. In the event of conflict, drill the footing as necessary to accommodate the guard post foundation.

END OF BID QUESTION LOG #1