



Clarke County School District

John Gilbreath

Director of Facility Planning and Construction, SPLOST

Date: March 27, 2024

TO: All Prospective Proposers

FROM: John Gilbreath

SUBJECT: ADDENDUM NO.1- RFQ# 24-0401-B2, Electrical Services – WR Coile Modular Health Clinic

All respondents are hereby advised of the following amendment to the RFQ# 24-0401-B2, document which is made an integral part of the bid document for the subject contract, prepared by the Clarke County School District. A link to the addendum #1 documents is located on the SPLOST Bid Page.

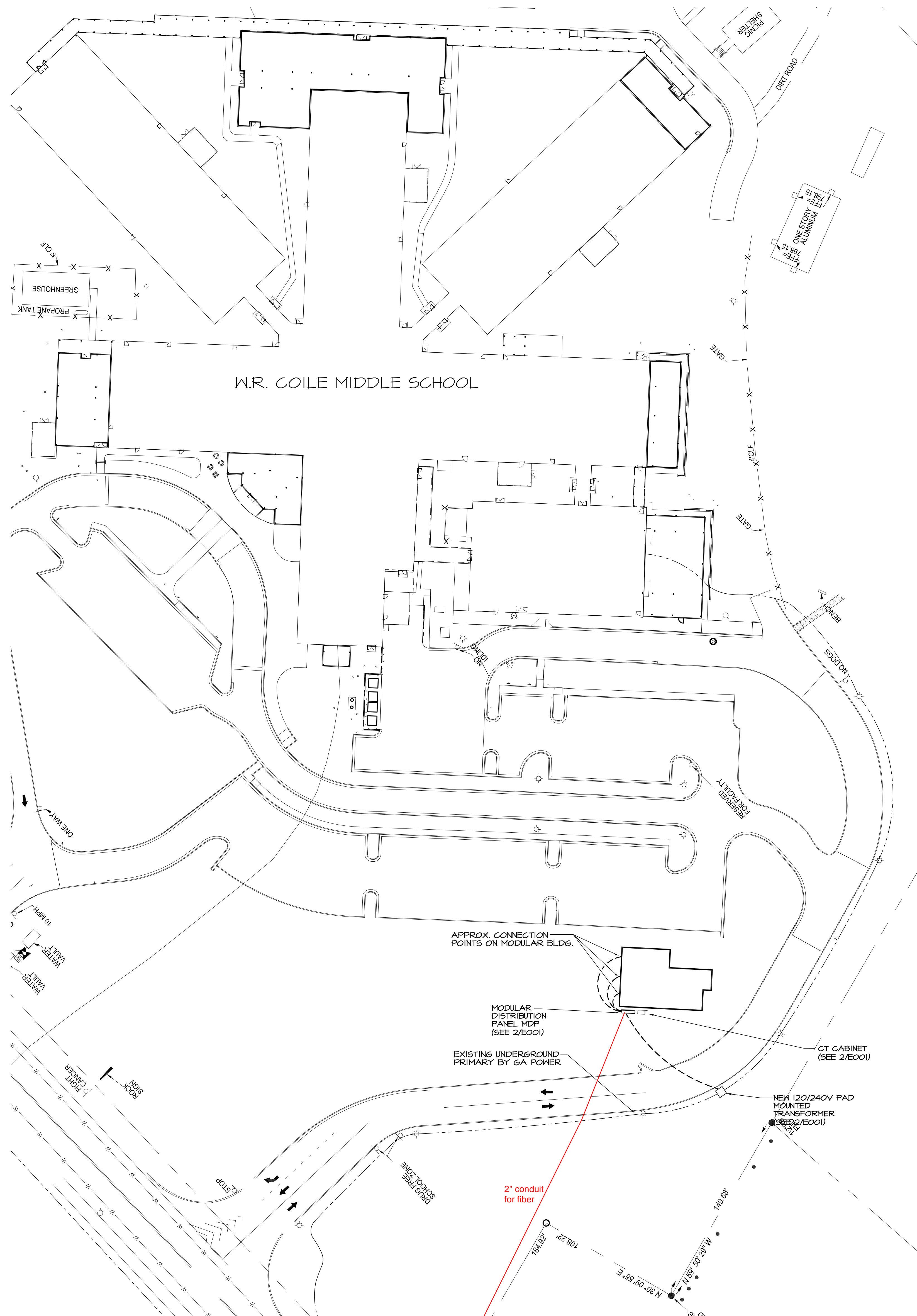
<https://www.clarke.k12.ga.us/site/default.aspx?PageID=2469>

Respondents shall be required to acknowledge receipt of this addendum in their proposal response. Failure to acknowledge receipt of this addendum by the respondent may result in the rejection of their proposal.

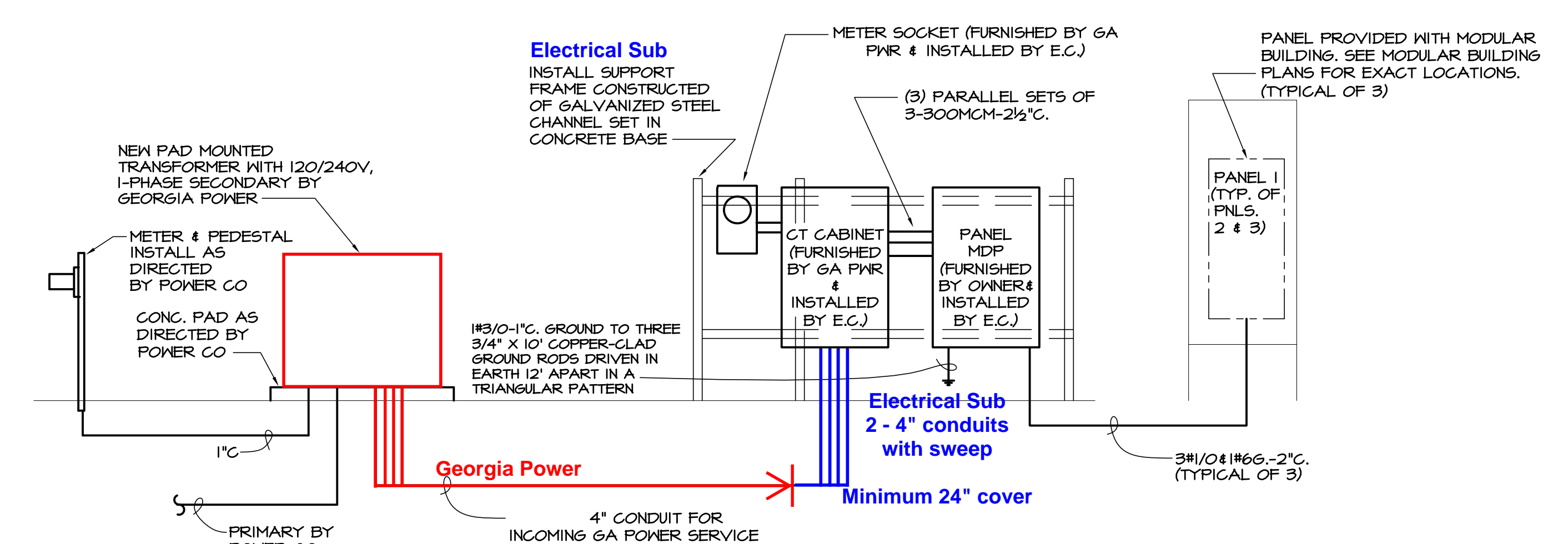
The addendum becomes a part of the original document and modifies as noted below:

1. **Page 2 - Answers to questions:** Full list
2. **Page 3 - Exhibit #1:** Updated E001 sheet with Ga Power update and fiber conduit identified.
3. **Page 4-9 - Exhibit #2:** Fire Alarm Specs

Question	Answer
General	
The submission instructions note that an original and two (2) copies of the bid must be submitted in a sealed envelope to the Clark County School District SPLOST Office. Per Section II Instructions to Bidders, part D. Bid Form also notes documents can be submitted in an e-mail. If acceptable, please confirm bid is to be emailed to Troy Bassett at bassett@clarke.k12.ga.us	Email is acceptable.
RFQ No. 24-0401-B1 Plumbing	
Will CCSD be paying for sewer tap fees and new water meter fees?	CCSD to pay for sewer and water meter fees.
Will the plumbing contractor be responsible for seed/straw on that portion of the job or will that fall to the civil contractor?	Plumbing subcontractor to grade, seed and straw area disturbed by water and sewer line installation.
RFQ No. 24-0401-B2 - Electrical	
Can the transformer location be changed from the location shown on the plans? The plans show it farther away from the panels but closer to the far end of the building.	Transformer to be located per site plan E001. GA Power is boring the road and running the wire from the transformer to the CT cabinet.
Can we substitute 3" conduit under the road rather than the 4" shown? The rest of the project shows 3" conduit.	GA Power will install conduit and wire to the CT cabinet at the building. Vendor will be responsible to 2 - 4" conduits with sweep out of the CT Cabinet. See updated drawing.
The scope on Page 16 lists 1 - 2" conduit to the light pole at the street noted on the electrical plans for phone/wireless service. Is that the conduit listed as 4" on the plans?	It's a 2" conduit for fiber. See updated E001 sheet.
To what point is GA Power bringing their side? I remember at Cedar the drawings were not accurate as to what they we're going to provide.	GA Power will install conduit and wire to the CT cabinet at the building. Vendor will be responsible to 2 - 4" conduits with sweep out of the CT Cabinet. See updated drawing.
At what point is GA Power stopping their portion as their drawing & our scope are saying different things - GA Power's drawing is saying they are bringing conduit & power to our service panel, including the bore under the road or E001 drawing shows us providing a 4" conduit to the transformer pad (other side of road) & GA Power installing the wire in the provided conduit	GA Power will install conduit and wire to the CT cabinet at the building. Vendor will be responsible to 2 - 4" conduits with sweep out of the CT Cabinet. See updated drawing.
I do not see the location of the light pole we are to run the 2" communications conduit to? Can you tell me what drawing this is listed if I'm just missing it?	2 inch conduit to be run to edge of property line as shown per attached sketch.
Are we providing power to the fire alarm system as we have on past projects with CCSD handling the actual system installation as they have in the past OR should I include pricing for an entire fire alarm system installation done by our subcontractor?	Electrical subcontractor to provide Firelite fire alarm system for building, see attached spec.
RFQ No. 24-0401-B3 - Site Improvements	
Will the ramp require handrails? There is a typical example in the drawings showing handrail on the steps, but not clear on being required or placement on the ramp.	Ramp requires handrails.
Will the civil part be responsible for seed and straw over the entire project or just immediately around the new building? Will the electrical and plumbing portion be responsible for seed and straw on that portion of the job?	Each sub will be responsible for their portion of the job.
Will the civil contractor be responsible for all BMPs or just around the immediate building site?	Civil contractor responsible for all BMP's as shown on civil drawings.
Plans are vague about the concrete pad/footing at perimeter to add the modular skirt to. Are there any dimensions on how wide and deep the footer has to be?	There is no perimeter footing, just at each pier. The cement board shirting goes to the ground.
Drawing C310 - Sitework Construction Details is listed on the Civil Sheet Index on Drawing C000 but is not included in the Sitework. Construction Drawings for WR Coile MS Health Center drawing set dated 2/20/24. Please provide.	It is included in Addendum #1.
Please confirm if the modular building is to be set prior to the masonry pier installation, followed by the piers being built up to the modular building OR if the piers are to be set followed by the modular building being set on top of the pier	Modular building is to be set on piers already in place.



1 SITE PLAN - ELECTRICAL
E001 1" = 40'-0"



2 MODULAR BUILDING #1 POWER RISER
E001 NO SCALE

MODULAR DISTRIBUTION PANEL MDP

SERVICE: 240/120V, 1Ø, 3Ø MAIN: 800A-3P MAIN BREAKER
PANEL A.I.C.: 65,000A OPTIONS: EQUIP. GROUND BUS
(FURNISHED BY OWNER) NEMA 3R ENCLOSURE U.L. S.E. LABEL

SERVES	VA	CIR. BKRS.	CIR. #	A B	CIR. BKRS.	VA	SERVES
PANEL 1	24,000	150/2	1	4	150/2	--	SPARE
PANEL 2	24,000	150/2	2	5	150/2	--	SPARE
PANEL 3	24,000	150/2	3	6	--	--	SPACE

* LOADS SHOWN ARE ESTIMATED FROM MODULAR PLANS.
TOTAL CONNECTED LOAD: 81,000



LPBC-219049
S&A-2210.100

Fire Alarm System
CONFORMED / 12-6-22

28 31 00-1
ADDENDUM #4 / 11-29-22

SECTION 28 31 00

FIRE ALARM SYSTEM

PART 1 - GENERAL

1.1 CODES

- A. Work covered by this section of the specifications shall conform to NFPA 70 and the National Electrical Code, 2020 Edition with No Georgia State Amendments and NFPA 72, the National Fire Alarm Code 2019 Edition with 2014 Amendments.

1.2 STANDARDS FOR MATERIALS

- A. All material shall be new and shall be listed by the Underwriters' Laboratories, Inc., as conforming to its standards in every case where such a standard has been established for the particular type of material in question or except as otherwise specified or implied herein.

1.3 SHOP DRAWINGS

- A. Where equipment is specified herein or on drawings, by manufacturers' names or numbers, this shall denote minimum requirements as to quality, type, capacity, function, and performance. All equipment must have the Engineer's approval before ordering.
- B. Shop drawings shall contain specification data sheets on each individual system component and wiring diagrams indicating all system components. Wiring diagrams shall show point to point wiring and the number and size of all conductors.
- C. Submittals may be submitted in electronic *.pdf format. File name shall include the job name, specification section and date of the submittal. Submittals containing multiple items must include a table of contents with hyperlinks to the cover page for each item. The cover page for each piece of equipment shall itemize equipment features to show compliance with or deviation from the requirements contained in the specifications and drawings. If the supporting product data is more than ten (10) pages long, include hyperlinks on the item's cover page to the supporting information.
- D. Shop drawings shall be submitted to and approved by the Fire Marshal having jurisdiction before any work is started.

LPBC-219049
S&A-2210.100

Fire Alarm System
CONFORMED / 12-6-22

28 31 00-2
ADDENDUM #4 / 11-29-22

1.4 OPERATION AND MAINTENANCE INSTRUCTIONS

- A. The Contractor shall furnish not less than three (3) copies of operating and maintenance instructions for all equipment he has furnished and installed.
- B. All software, keys, or tools required to program, install, and maintain the system shall be turned over to the owner.

1.5 FIRE ALARM SYSTEM - SEQUENCE OF OPERATION

- A. Furnish and install an addressable, hard wired analog supervised fire alarm system.
- B. The operation of any initiating device shall initiate the following:
 - 1. Cause a LCD to flash on the Fire Alarm Control Panel.
 - 2. Cause all alarms to sound and all visual alarms to flash.
 - 3. Release all magnetically held smoke doors.
 - 4. Provide a signal to the Intercom system for tone generation.
 - 5. Cause a LCD to flash on the remote annunciator panel.
 - 6. Provide a Voice Evacuation message throughout the entire facility.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. The fire alarm system shall be as manufactured by ~~Notifier or approved equal by Edwards, Faraday, FGI or Fire-Lite.~~

ADDENDUM # 4 / 11-29-22

Change approved manufacturers to Fire-Lite with approved equal by Silent Knight.

2.2 FIRE ALARM SYSTEM COMPONENTS

- A. Fire alarm panel shall have the following features:
 - 1. An 80 character Alphanumeric liquid crystal display with two lines of characters shall provide information concerning point status (alarm, trouble, etc.), type of alarm (smoke detector, pull station, etc.), number of alarms in the system and a custom location label each zone.
 - 2. Fully programmable from local keypad, local PS-2 keyboard or by a lap-top computer. Fire alarm devices must be manually re-addressable so Owner can modify its address in the event of a system reconfiguration, modification or upgrade.
 - 3. LED indicators shall indicate Power, Alarm, Supervisory, and Trouble.
 - 4. Provide switches for Acknowledge/Step, Alarm Silence, Drill and Reset.

5. The system shall have sufficient addressable points for the building plus a minimum of 100 spare addressable points.
 6. The system shall have notification appliance circuits sufficient for the building. Provide Power Extender Panels as required by the number of notification devices.
 7. Four auxiliary relays for connection to telephone dialer, EMS to indicate (Alarm) and (Trouble) and one spare.
 8. Supervised battery with charger.
 9. Lightning and surge protection.
 10. The system shall operate on 120 volt, single phase power.
 11. Red painted steel cabinet with locking glass front and recessed mounting trim.
 12. Programmable switch programmed and labeled as a drill switch.
 13. Voice control panel shall be provided with the following features:
 - a. Panel shall provide voice and tone generation.
 - b. Amplifier shall have 75 watts power.
 - c. Manual or automatic operation may be selected.
 - d. A standard digitally recorded message.
- B. Power extender panels shall have four general alarm circuits rated at 2 amps @ 24 VDC each. Provide as many power extender panels as required by the number of notification devices. At each panel install an annunciator module to provide a trouble signal.
- C. Remote annunciator shall have 80 character liquid crystal display, switches for acknowledgment, alarm silence and reset switch. Provide a separate switch which shall be programmed and labeled as a drill switch.
- D. Pull stations shall be addressable type with mechanical latch and manual reset.
- E. On each manual pull station provide a protective shield with horn and battery for flush mounted stations and also with spacer where stations are surface mounted.
- F. Combination alarm horn and strobe units shall be vibrating horn and strobe light. Alarm horns shall produce 80 decibels. Strobes shall be minimum 75 cd.
- G. Combination alarm speaker/strobe units shall be combination speaker-strobe light units. Strobes shall be minimum 75 cd.
- H. On each audible and/or visual alarm unit in the gymnasium provide a wire guard.
- I. Exterior horns shall have weatherproof boxes and shall be rated for outdoor use.
- J. Visual only strobe light shall be minimum 75 cd.

LPBC-219049
S&A-2210.100

Fire Alarm System
CONFORMED / 12-6-22

28 31 00-4

ADDENDUM #4 / 11-29-22

- K. Magnetic door holders shall be Rixson 998 semi-flush, long latch wall mounted type. Mount holders 6' 0" AFF.
- L. Smoke Detectors shall be quick connect photo-electric detector heads with bases. Smoke detectors at elevator lobbies shall have relay sub-base.
- M. Duct mounted smoke detectors shall be mounted in duct housing with sampling tube mounted in the duct. Each detector shall have a SPDT 3 AMP, 120 volt relay contact for direct interlock with the unit served. Each detector shall have a remote indicator with a test switch mounted in the ceiling below the detector. Where duct detectors are mounted in ducts more than 12 feet above the floor the remote indicator and test switch shall be wall mounted at 7'0" a.f.f.
- N. Duct-detectors shown mounted outside shall be Air Products and Controls, Inc. model RT-3000 in weather tight NEMA 4X enclosure.
- O. Individual addressable modules shall be provided with surface mounted enclosures for water flow switches, rangehood fire protection systems, tamper switches, or elevator control to initiate fireman's emergency return.
- P. Water flow switch and tamper switch shall be furnished under Sprinkler Section and connected to the fire alarm system.
- Q. Surge suppressors on 120 volt circuits shall be Ditek DTK-120 HW. Provide surge suppressors on the main fire alarm control panel and all extender panels on the 120 volt power. Surge suppressors shall be installed in their own enclosures. Where they are installed above ceiling mark the location with a green adhesive dot on the grid.
- R. Surge suppressors on 24 volt circuits shall be Ditek DTK-2MLPL24B with DTK- MB10 base. 24 volt surge suppressors shall be installed on all data loops including on any circuit extended outside the building underground or overhead including wiring between buildings and to post indicator valves.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. The fire alarm system wiring shall be installed in accordance with the manufacturer's approved shop drawings and the requirements of the Electrical Section.
- B. The installation shall be supervised by a certified fire alarm technician with a Nicet, level 2 rating.

- C. All wiring shall be color-coded uniformly throughout.
- D. All wiring shall be installed in accordance with NFPA 70, NEC, Article 760, paragraphs A & C, Power-Limited Fire Protective Signaling Circuits.
- E. All conductors shall be copper. Wire sizes and types shall be as indicated on the drawings. Terminations shall be made with crimp-on connectors.
- F. Underground wiring between buildings shall be fiberoptic cable installed in conduit.
- G. All wiring and cable installed exposed in a space, concealed inside a wall, concealed above a non-accessible ceiling or underground outside the building shall be installed in conduit. All line voltage wiring shall be installed in conduit. All low voltage wiring installed above accessible ceilings may be installed without conduit by using cable with a jacket which is U.L. listed for installation in a return air plenum.
- H. Plenum rated cable installed in corridors shall be installed in cable hangers which are specified in Electrical Section. All cables for this system shall be grouped together within the hanger and tied with a cable tie. See detail on the drawings for arrangement with other systems.
- I. Plenum rated cable installed in other spaces where there are no cable hangers shall be tied to the building structure at approximately 6'-0" on center using cable ties.
- J. Plenum cable shall pass through walls by drilling a hole in the wall and installing a conduit with bushings on each end through the wall. Install the cable through the conduit and in fire or smoke rated walls seal the opening around the conduit and the hole in the conduit with a U.L. listed fire rated sealant.
- K. All plenum rated cable used for the Fire Alarm system shall have a red outer jacket. All cable ties shall be plenum rated.
- L. Smoke detector heads shall not be installed until the final test of the system and all dust creating construction has ceased in that area. Heads installed prematurely will be removed and cleaned according to manufacturer's instructions.

3.2 TESTING

- A. The manufacturer's authorized representative shall provide supervision of final system panel connections, perform a complete functional test of the system and submit a written report to the contractor attesting to the proper operation of the system.
- B. Perform all test necessary to meet the requirements of the local authorities having jurisdiction.

LPBC-219049
S&A-2210.100

Fire Alarm System
CONFORMED / 12-6-22

28 31 00-6

ADDENDUM #4 / 11-29-22

- C. Upon completion of the installation, the contractor shall provide to the architect a copy of the manufacturer's written report along with a signed written statement attesting that all system equipment was installed in accordance with these specifications and in accordance with wiring diagrams, instructions and directions provided to the contractor by the manufacturer.

3.3 LABELING

- A. Label each device (initiating, signaling or circuit) with its associated address inside the housing or on the connecting junction box.
- B. Program the software to indicate the location or room number of each device.
- C. A scale drawing of the building floor plan showing the location and address of all fire alarm devices shall be framed under glass and installed next to the Fire Alarm Control Panel, or remote annunciator located in the administration area.

3.4 INSTRUCTIONS

- A. Provide one "Instructions and Training Session" with the Owner's designated personnel. Give instructions on the capabilities, operation, trouble shooting, and routine maintenance of the fire alarm system. The instruction shall include equipment function descriptions, installation procedures, system start-up, system operation, system trouble shooting and any other information related to improving system reliability (i.e. eliminating interruptions to educational process and identifying contingency plans for major system malfunctions).
- B. Provide one "Instructions and Training Session" with the local authorities having jurisdiction as to the system's function and operation.

End of Section 28 31 00

End of Addendum #1