

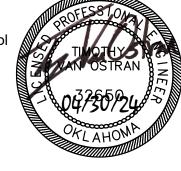
ADDENDUM TWO

Issue Date: April 30, 2024

Project Information

Client: Project Name: Project Location: Owner: Engineer:

the Abla Griffin Partnership me: HVAC Replacement – Kingsgate Elementary School cation: 1400 Kingsgate Rd, Oklahoma City, OK 73159 Moore Public Schools Salas O'Brien, LLC



Project No. 2024-01144-00

To Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated March 14, 2024, (and previous Addendum), with amendments and additions noted below.

This Addendum consists of TWO (2) pages and ONE (1) attachment.

• Attachment: E-301

Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may disqualify Bidder.

CHANGES TO BIDDING REQUIREMENTS

Fire Alarm System

- In addition to the new carbon monoxide (CO) detectors and duct smoke detectors for new HVAC equipment as specified on sheets M-102 and M-601, provide bid for replacing the following SD devices as identified by MPS IT Department with SK devices specified on new Sheet E-301:
 - 41 smoke detectors
 - 5 heat detectors
 - 5 duct smoke detectors
 - 12 fire pulls
 - 37 input modules
- Exact locations of devices to be coordinated in field.
- Return all replaced SD devices to MPS IT Department

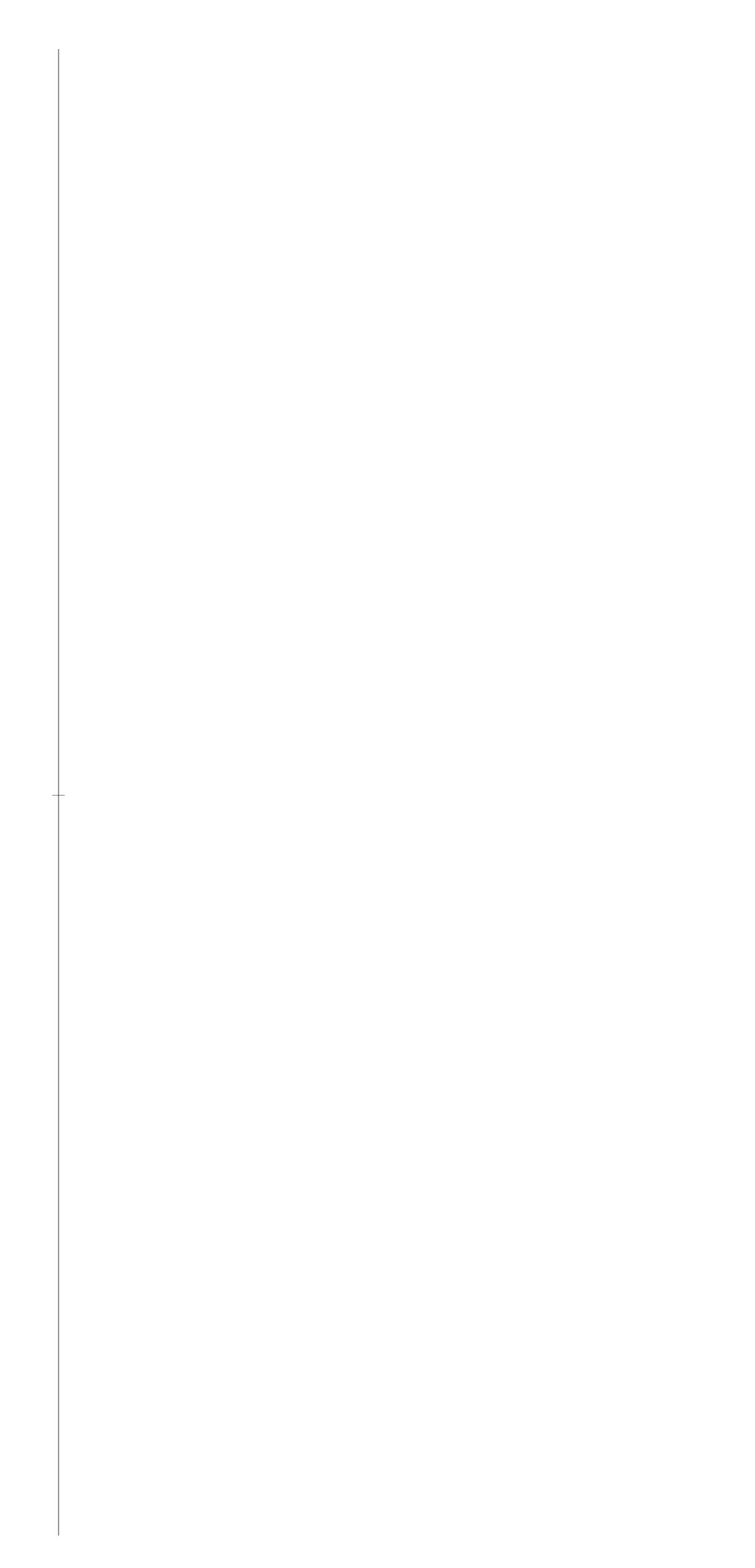
CHANGES TO THE DRAWINGS

Revisions have been made to the following drawings and are issued in the form of <u>full-size plans</u>. Edits are indicated by a revision delta and a cloud surrounding the affected portion of the drawing.

Sheet E-301 – Sheet Specifications – Fire Alarm

• New sheet with Moore Public Schools Fire Alarm Specifications and Requirements.

END OF ADDENDUM TWO



	SYSTEMS SP	<u>ECIFI(</u>	CATIONS
	Moore Public Schools Fire System	•	Follow and adhere to installation practices specified by the applicable NFPA 72 standards.
Specifications SK & SD Protocol Part 1 - General			Follow and adhere to installation practices specified by NFPA-70 National Electric Code,
2.01			Edition 2008.
	Fire System Manufacturer shall be Silent Knight. (No Substitutions)		Follow and adhere to installation practices specified by the Manufacturers.
•	Notification appliance Manufacturer shall be System Sensor. (No Substitutions) Device Manufacture shall be as specified in equipment description. (No Substitutions)		
• 1.03	Cable Manufacturer shall be Genesis. (Or Equivalent) <i>Fire Systems Equipment Description</i>	•	All conduit and EMT required for Fire cabling pathway in/out of closets and in/out of wall cavities at the work area. EMT or Conduit for pathways shall have no more than two 90-degree sweeps and no continuous section over 100'.
•	NOTE: Contractor shall use SK Protocol devices on all new installations except when the	•	All core holes and poke through devices in the floor for the installation of Fire cabling.
	existing system has SD protocol devices connected. In these instances, SD protocol devices shall be used. Contractor shall not combine SD & SK protocol devices to one system.	•	All core holes and EMT sleeves between floors for the routing of Fire cabling.
•	Fire alarm control shall be Silent Knight Model # 5820 or 6820. (No Substitutions)	•	Back boxes for the mounting of Fire Devices.
	Fire alarm distributed power module NAC Expansion shall be Silent Knight SK-PS6 /	•	Drag line or pull string at the back boxes fished through EMT or conduit to the other end for installing Fire Cabling.
	SK-PS10 or Fire-Lite Model #'s FL-PS6 / FL-PS10. (No Substitutions)	1.03	Quality Assurance
•	Fire alarm intelligent power supply shall be Silent Knight Model # 5895XL. (No Substitutions)	1	.03.01 Qualifications
	NOTE: The 5895XL NAC circuits will not sync with the main control panels NAC circuits. If new NAC circuit synchronization is required with existing NAC circuits, use the SK-PS6/FL-PS6 or SK-PS10/FL-PS10	•	Install all components as directed by Manufacturer's installation guidelines.
	Fire alarm remote Annunciator shall be Silent Knight Model # 5860 (Grey) and surface	•	All products shall bear the mark of UL or ETL for performance level.
-	mount trim ring 5860TG (Grey) shall be used if surface mounted. (No Substitutions)	•	System installation shall meet all applicable Local/State codes and safety requirements where project is located.
•	Fire Alarm signaling line circuit expander shall be Silent Knight Model # 5815XL for SD protocol devices & 6815 for SK protocol devices. (No Substitutions)	•	All products shall be new and un-used in original packaging.
	SK Protocol Devices Shall Be	1	.03.02 Bidder/Installer Qualifications
•	Fire alarm addressable manual pull station shall be Silent Knight Model # SK-PULL-DA. (No Substitutions)	•	Bidding contractor shall be a local licensed Commercial Fire Alarm Company with licensed Commercial Fire Alarm technician(s) on staff.
•	Fire alarm addressable photoelectric smoke detector shall be Silent Knight Model # SK-PHOTO-W. (No Substitutions)	•	Bidding contractor shall have a minimum of one year experience installing Silent Knight Addressable fire panels.
•	Fire alarm addressable heat detector shall be Silent Knight Model # SK-HEAT-W. (No Substitutions)	•	Bidding contractor shall have a minimum of 5 years experience installing commercial fire alarms.
•	Fire alarm base shall be Silent Knight Model # B300-6. (No Substitutions)	•	Bidding contractor shall be able to provide insurance at the request of the owner.
•	Smoke Detectors in areas that require a CO Detector shall be SK-FIRE-CO-W. (No Substitutions)	•	Bidding contractor shall have a commercial fire technician on the job site at all times during the installation.
•	Fire alarm addressable input module shall be Silent Knight Model # SK-MONITOR or SK-MONITOR-2. (No Substitutions)	1.04	Sequencing
•	Fire alarm addressable relay module shall be a Silent Knight Model # SK-RELAY. (No Substitutions)	•	Contractor shall coordinate with Owner's project manager on sequencing of various trades and construction teams for the lifecycle of the project.
•	Fire alarm SLC line isolator shall be Silent Knight Model # SK-ISO. (No Substitutions)	1.05	Scheduling
	Fire alarm Duct detectors and Duct Detector Remote Test Stations shall be Silent Knight Model #'s SK-DUCT and RTS151KEY. If a Form-C relay is required, please add an SK-RELAY. (No Substitutions)		Contractor shall provide a detailed construction schedule with hard dates for completion of roughing in cables, terminations and testing once scheduling sequence has been determined to the Owner's Project Manager.
		1.06	Warranty
1.01	Systems Installation	•	Contractor shall provide a 1-year parts and labor warranty against defective workmanshi and/or system component failure. (1-year warranty shall begin at job completion)
	All fire alarm junctions and or splices shall be soldered and insulated.	Part 2 - F	
	All Ceiling mounted devices shall be mounted on non-stainable ceiling tiles. All circuits and wiring shall be labeled at all terminating ends.	2.02	Source Quality Control
	All fire system wiring shall be RED in color and non-shielded.	•	Materials shall be purchased from Distributors authorized by system Manufacturers to se new and unused components.
	All devices shall be mounted according to the manufacture's specifications.	Part 3 -	
•	All devices shall be properly adjusted and tested prior to job completion.	3.01	Field Quality Control
•	All fire pulls shall be dual action.	•	Contractor shall make available all ceiling and termination work for inspection by Manufacturer's representative or owner's representative.
•	All Initiating Devices shall be labeled with their corresponding module and point number. Smoke detector label shall be on smoke detector and smoke detector base and be	•	Contractor shall replace all defective components.
	clearly visible from the finished floor.	3.02	Adjusting
•	Each Initiating Device Circuits (IDC) shall have Line Isolator Modules installed at the SLC Head End.	•	No additional work outside of the contract scope of work shall be completed without the approval of the Owner or Owner's representative.
•	All Initiating Device Circuits (IDC) shall be wired Class B (NFPA Style B).	3.03	Protection
•	All Initiating Device Circuits (IDC) shall be wired with minimum 18 AWG gauge red NON-ShleIded cable.		It is the responsibility of the Contractor to ensure equipment is protected from dust and
•	All duct detectors shall be connected to fire system and shall have remote test stations		water during the project with appropriate materials.
	installed accessible and visible from the finished floor. They shall be labeled with their corresponding module and point number.		Remove all protective covers and protective materials from equipment prior to turnover to Owner. End of Section
•	All duct detector ARM / AIM shall be installed adjacent to the remote test stations and shall be accessible and visible from the finished floor. They shall be labeled with their	1.04	Submittals
	corresponding module and point number. (ARM/AIM should not be needed when using SD505-DUCTR duct det.)	1	.04.01 Prior to installation
•	Each CO 1224T detectors shall have an SD500 AIM installed (No doubling). All CO1224T	•	Show compete map of system design for approval by Owner.
	& SD500 AIM shall be labeled with their corresponding module and point number and shall be accessible and visible from the finished floor.		.04.02 Prior to final acceptance Provide a soft CAD copy As-Built showing layout of panel, initiating devices, notification
	All modules shall have their corresponding module number.		devices and all mounted equipment upon Substantial Completion.
•	All notification devices shall be wall mounted where possible. Where wire is exposed decorative wire molding shall be installed from the ceiling to the device. If ceiling mount devices are used, they shall be mounted on a non-stainable ceiling tile.	•	Ensure all warranties specify that the Owner is entitled to all rights guaranteed by the warranty for various components.
•	All notification devices shall be labeled with their corresponding module, circuit number and device number. Label shall be on the base and be clearly visible from the finished floor. EOL Device shall be labeled as such.		Fire System Installation Completion Check List - General Section Includes
•	All horn / strobes and strobes shall be synchronized.		Fire System Completion Check List
•	All Notification Appliance Circuits (NAC) shall be wired Class B (NFPA Style Y).	1.02	Completion Check List
•	All Notification Appliance Circuits (NAC) shall be wired with minimum 16 AWG gauge red NON-Shielded cable.	•	A map of the entire system showing device numbers and wire routes has been left inside the main control panel and a copy has been given to Jack Phillips with MPS.
•	Protective grommets shall be installed on all conduits to protect wire.	•	All panel programming has been checked and is correct. Panel(s) has been tested for proper operation.
•	All SBUS and SLC circuits shall be wired with red NON-shielded cable.	•	All zones have been tested to verify proper description at keypad. All zones have been tested to verify proper reporting to the monitoring station.
•	All wire shall be run in J hooks above ceiling with a minimum space of 6" from ceiling deck. All wire shall be in separate pathways 6" from other system wiring. No wire ties allowed. No wire shall be run between the red iron and roof deck.		All points have been tested to verify proper description at the keypad. All horn/strobes and strobes have been tested for proper operation. All smoke detectors have been tested and dust covers removed. All devices have been tested for proper operation.

installation

Main control panel shall have a CAT 6 cable ran between the main control and the phone

All wire ran between building shall be in conduit and shall be Non-shielded direct burial

Installer shall have a commercial fire technician on the job site at all times during the

company DMARC for monitoring purposes.

cable. It shall be a minimum of 4 conductor 16 AWG copper.

Installer shall supply the electrical and or masonry contractors with specialty back boxes such as remote annunciator recessed back boxes etc. and coordinate with them to ensure that all necessary conduits, back boxes, etc. are installed in the proper locations.

IT or conduit to the other end lation guidelines. nce level. odes and safety requirements

- ire Alarm Company with
- erience installing Silent Knight
- ience installing commercial fire
- e request of the owner.
- on the job site at all times
- on sequencing of various
- with hard dates for completion duling sequence has been
- y against defective workmanship begin at job completion)
- y system Manufacturers to sell
- work for inspection by
- hall be completed without the
- m equipment prior to turnover to
- I, initiating devices, notification npletion. all rights guaranteed by the
- Check List
- wire routes has been left inside k Phillips with MPS.
- keypad. te monitoring station. the keypad. operation. moved.
- All devices have been tested for proper operation.
 All cabinets are labeled on the outside with module numbers and point numbers.
 All cabinets are labeled on the inside with module numbers by the corresponding module and point descriptions.
 The monitoring station has the correct account information such as call list, zone descriptions, etc.

End of Section



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SALAS O'BRIEN MECHANICAL / ELECTRICAL





checked by

MARCH 2024 date

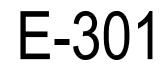
revisions 1 4/30/24 ADDENDUM 2

MOORE PUBLIC SCHOOLS BOARD OF EDUCATION MOORE, OKLAHOMA



HVAC REPLACEMENT KINGSGATE ELEMENTARY SCHOOL

sheet no:



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2600 Van Buren St., Suite 2635 Norman, OK 73072 Salas O'Brien Registration: CA# 7058 Expiration Date : 6/30/2025 Salas O'Brien Project Number: 2024-01144-00