

ADDENDUM NO. 1

May 5, 2023

RE: **Bonnie Branch Middle School Controls Upgrade (HCPSS Bid #100.23.B3)**

FROM: **Purchasing Office
Howard County Public Schools
10910 Clarksville Pike
Ellicott City, MD 21042
(410) 313-6723
(410) 313-6789 fax**

TO: **APPROVED PROSPECTIVE BIDDERS**

This addendum forms a part of the Contract Documents and modifies the Original Bidding Documents as noted below. Acknowledge receipt of this Addendum in the space provided on the Form of Proposal. Failure to do so may subject the Bidder to disqualification. This Addendum consists of five (5) pages.

QUESTIONS:

1. Is there another project occurring at the same time as this project? If so, can you please forward contractor's contact information for coordination purposes? **Response: Yes, there is a boiler replacement project occurring over this summer also that has some associated controls work in the Boiler Room. The contractor is Hot & Cold Corporation and their Project Manager is Joe Jordan (302) 542-2289. Joe's email is joejordan@hotcoldcorporation.com**
2. Clarification of commissioning work: **When RTUs are in morning warmup or cooldown mode, the Contractor shall ensure that the pneumatic VAV controllers control the space temperatures to their occupied setpoints".**

CHANGES TO THE DRAWINGS:

1. **Drawing M2.1:** Added Sheet Note 3 to clarify description of work associated with removal of the existing motors and inlet guide vanes from the supply and return fans for AHU-1 to accommodate new VFDs.

CHANGES TO THE SPECIFICATIONS:

1. **010100, Special Requirements:** In paragraph A.C.3, revised contract award date to June 8, 2023 to correspond with HCPSS Board of Education meeting date.

END OF ADDENDUM NO. 1

010100 – SPECIAL REQUIREMENTS

A. FIRE PREVENTION

1. Each contractor shall:
 - a. Avoid accumulation of flammable debris and waste within the building and vicinity. Avoid large and unnecessary accumulations of combustible forms and form lumber.
 - b. Store flammable or volatile liquids in the open or in small detached structure or trailers. Handle liquids with low flash points that are to be used within the building in approved safety cans. Supervise closely the storage of paint materials and other combustible finishing and cleaning products. Do not permit oily rags to be stored in closets or other tight permanent spaces.
 - c. Tobacco use is prohibited on the school property.
 - d. Closely supervise welding and torch cutting operations near combustible materials.
 - e. Use only fire-resistant building paper, plastic sheet, and tarpaulins for temporary protection.
 - f. Do not store combustible material outdoors within 10 feet of a building or structure.
 - g. Do not use gasoline for cleaning within the building under any circumstances.
 - h. Do not burn any trash or other material on site.
 - i. Take other precautions suitable for hazardous conditions at the site to prevent fire.

B. ACCIDENT PREVENTION AND SAFETY

1. Each contractor shall:
 - a. Comply with all applicable laws, ordinances, rules, regulations, and orders of governing authorities having jurisdiction for the safety of persons and property to protect them from damage, injury, or loss.
 - b. Erect and maintain, as required by conditions and progress of the work, all necessary safeguards for safety and protection, including fences, railings, barricades, lighting, posting of danger signs and other warnings against hazards.

C. PROJECT SCHEDULE

1. Major construction milestones shall be as scheduled below. Should the contractor fail to complete major milestones as scheduled, the owner may issue a cure notice or take any action deemed necessary to return the delayed major milestones and any related successor functions back on schedule, as soon as possible, at the contractor's expense.
2. The contractor shall develop a detailed project schedule, approximately sequencing all required work, including shop drawing submittals, equipment fabrication periods, etc.

3. Major construction milestones shall be as follows:
- | | |
|-------------------------|----------------------------|
| Pre-Bid Meeting: | April 28, 2023, 10:00 a.m. |
| Bids Due: | May 15, 2023, 1:00 p.m. |
| Contract Award: | June 8, 2023 |
| Begin Construction | June 19, 2023 |
| Submittals Due: | June 22, 2023 |
| Substantial Completion: | August 18, 2023 |
| Commissioning Complete: | September 1, 2023 |
| Punchlist Completed: | September 15, 2023 |
| Closeout Documents: | September 22, 2023 |

END OF SECTION 010100

DRAWING NOTES

(APPLIES TO ALL WORK SHOWN ON DRAWING)

- 1. CONCEAL WIRING FOR ALL WALL-MOUNTED SENSORS WITHIN EXISTING WALLS - GYPSUM BOARD AND CMU. USE OF SURFACE METAL RACEWAY, WHITE IN COLOR, SHALL ONLY BE USED WHERE IT IS NOT POSSIBLE TO CONCEAL WIRING WITHIN EXISTING WALLS, AND SHALL REQUIRE ADVANCED WRITTEN APPROVAL BY HCPSS.

SHEET NOTES

- 1. REMOVE EXISTING PNEUMATIC DAMPER ACTUATORS AT AHU. REMOVE ALL PNEUMATIC TUBING BACK TO MAIN ATC PANEL IN BOILER ROOM. PROVIDE DDC DAMPER ACTUATOR WHERE PNEUMATIC DAMPER ACTUATORS WERE REMOVED. RE-BALANCE AIR AND WATER FLOWS TO ORIGINAL DESIGN VALUES INDICATED IN SCHEDULE ON DRAWING M3.1. CONFIRM / MODIFY SEQUENCE OF OPERATIONS IN ACCORDANCE WITH CONTROL DRAWINGS. PROVIDE UNITARY BACNET CONTROLLER, SENSORS AND CONTROL DEVICES. PROGRAM AND TEST ALL NEW CONTROLS. PROVIDE EQUIPMENT GRAPHICS ON EXISTING GRAPHICS USER INTERFACE. REFER TO CONTROL DRAWINGS FOR ADDITIONAL INFORMATION. ALL EXISTING PNEUMATIC CONTROLS AND ACTUATORS FOR ALL WATER VALVES, VAV TERMINAL UNITS, ROOF-MOUNTED EXHAUST FANS, UNIT VENTILATORS AND OTHER SMALL MISCELLANEOUS EQUIPMENT SHALL BE RE-USED.
- 2. EXISTING OA AHU'S HAVE DD CONTROLS. RE-BALANCE AIR AND WATER FLOWS TO ORIGINAL DESIGN VALUES INDICATED IN SCHEDULE ON DRAWING M3.1.
- 3. AHU-1 ONLY: REMOVE EXISTING 10 HP SUPPLY AND 2 HP RETURN FAN MOTOR AND PROVIDE MOTORS OF EQUIVALENT HP SUITABLE FOR USE WITH VARIABLE FREQUENCY DRIVES PROVIDED UNDER DIVISION 26. REMOVE EXISTING INLET GUIDE VANE DAMPERS AND ALL ASSOCIATED LINKAGE AND HARDWARE ON SUPPLY AND RETURN FANS.



Howard County Public School System
9020 Mendenhall Court
Columbia, MD 21045

SEAL

Professional Certification, I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland, License Number 44890, expiration date 01/08/2024.

CONSULTANTS

MECHANICAL ENGINEERS



8600 FOUNDRY ST., SUITE 306
MILL BOX 2054
SAVAGE, MD 20783
(410) 696-4512
building-dynamics.com

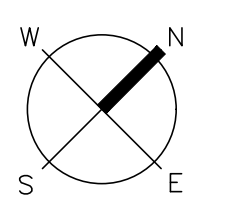
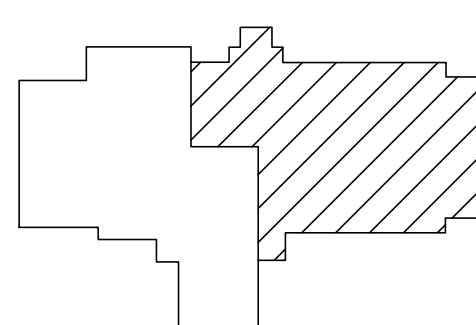
ELECTRICAL ENGINEERS

PAULCO ENGINEERING, INC.
14211 MEADOW LAKE DRIVE
GLENELG, MD 21737
p. 301.523.5012

PROJECT

BONNIE BRANCH MIDDLE SCHOOL
CONTROLS UPGRADE
4979 ILCHESTER ROAD
ELLCOTT CITY, MD 21043

KEY PLAN



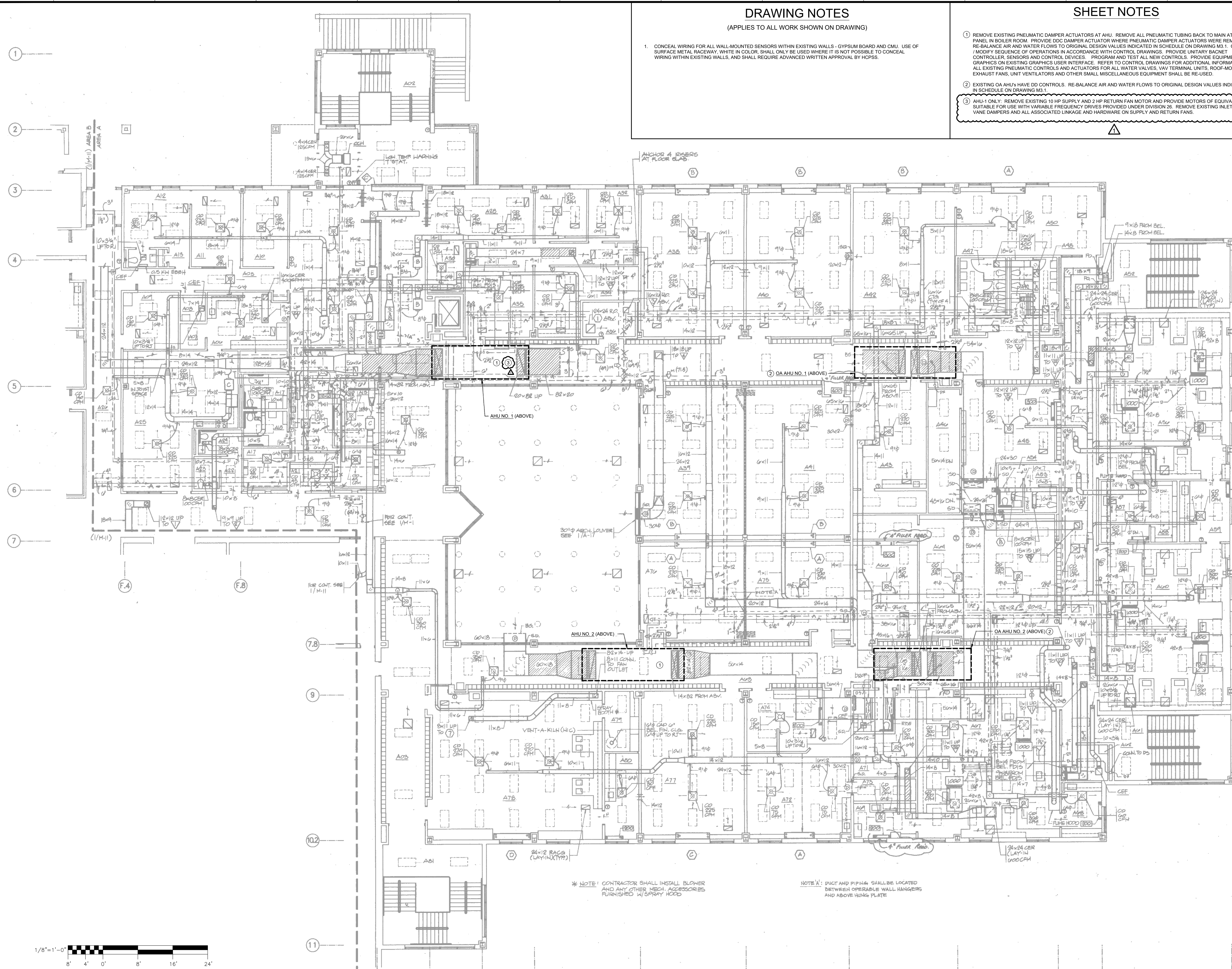
ADDENDUM NO. 1	06/05/2023
100% CONSTRUCTION DOCUMENTS	09/17/2023
NO. DESCRIPTION	DATE

DRAWING

MAIN LEVEL FLOOR PLAN - AREA A - HVAC

DRAWN BY	LOWE
CHECKED BY	LUCAS
PROJECT NO.	202302
SCALE	1/8"=1'-0"
SHEET	

M2.1



MAIN LEVEL FLOOR PLAN - AREA A - HVAC

SCALE: 1/8" = 1'-0"

