ADDENDUM NO. 1

November 10, 2022

RE: Controls Upgrade Cradlerock ES / Lake Elkhorn MS (HCPSS Bid #020.23.B3)

FROM: Purchasing Office

Howard County Public Schools

10910 Clarksville Pike Ellicott City, MD 21042 (410) 313-6723

(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 one (1) page.

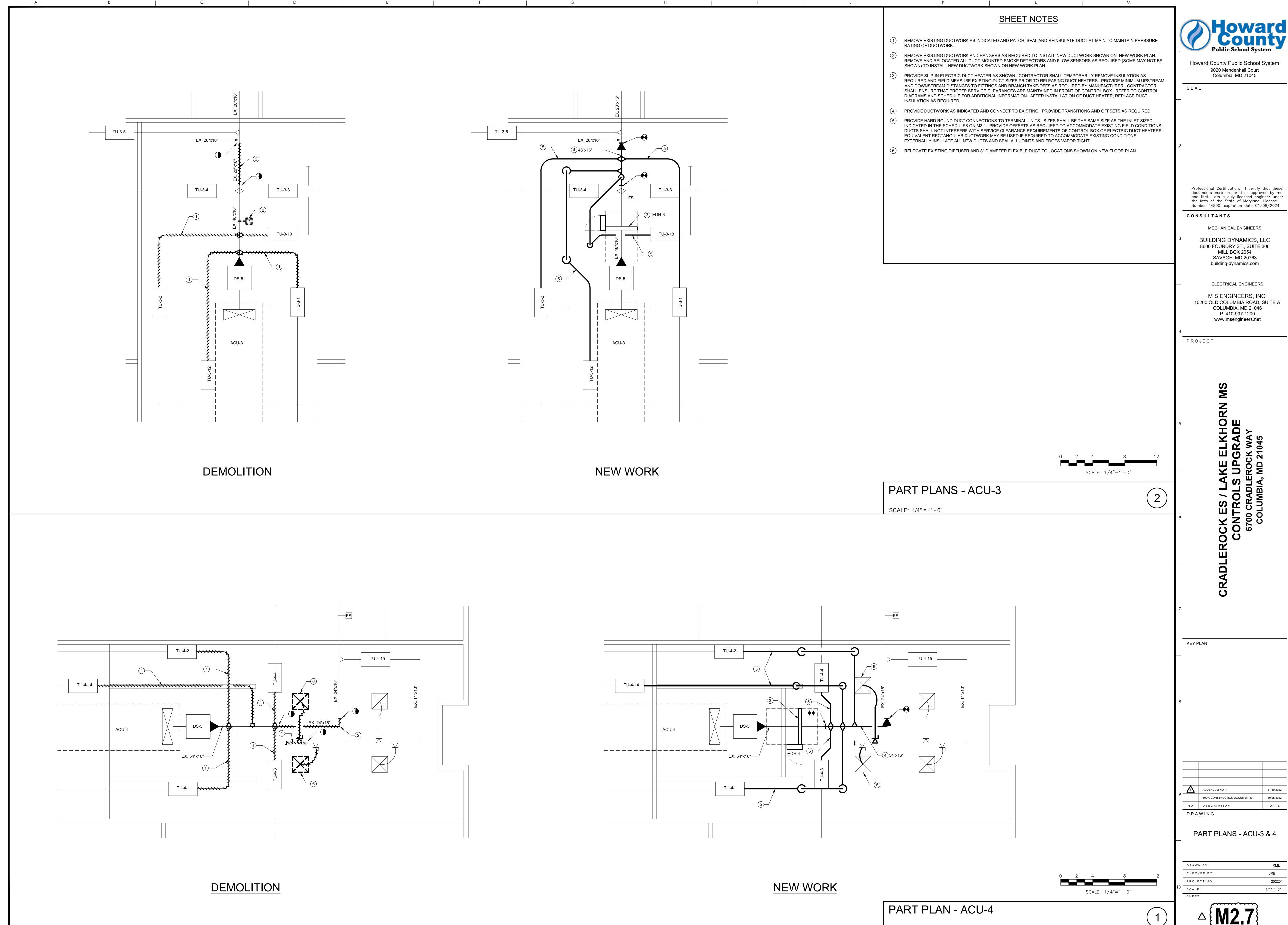
VIRTUAL PRE-BID MEETING:

- 1. Drawings M2.7 through M2.11 are indicated on the Drawing List on T0.1 but were not included in the Bid Documents. Are they applicable?
 - a. Yes. Those drawings were inadvertently overlooked and are being issued as part of this addendum.

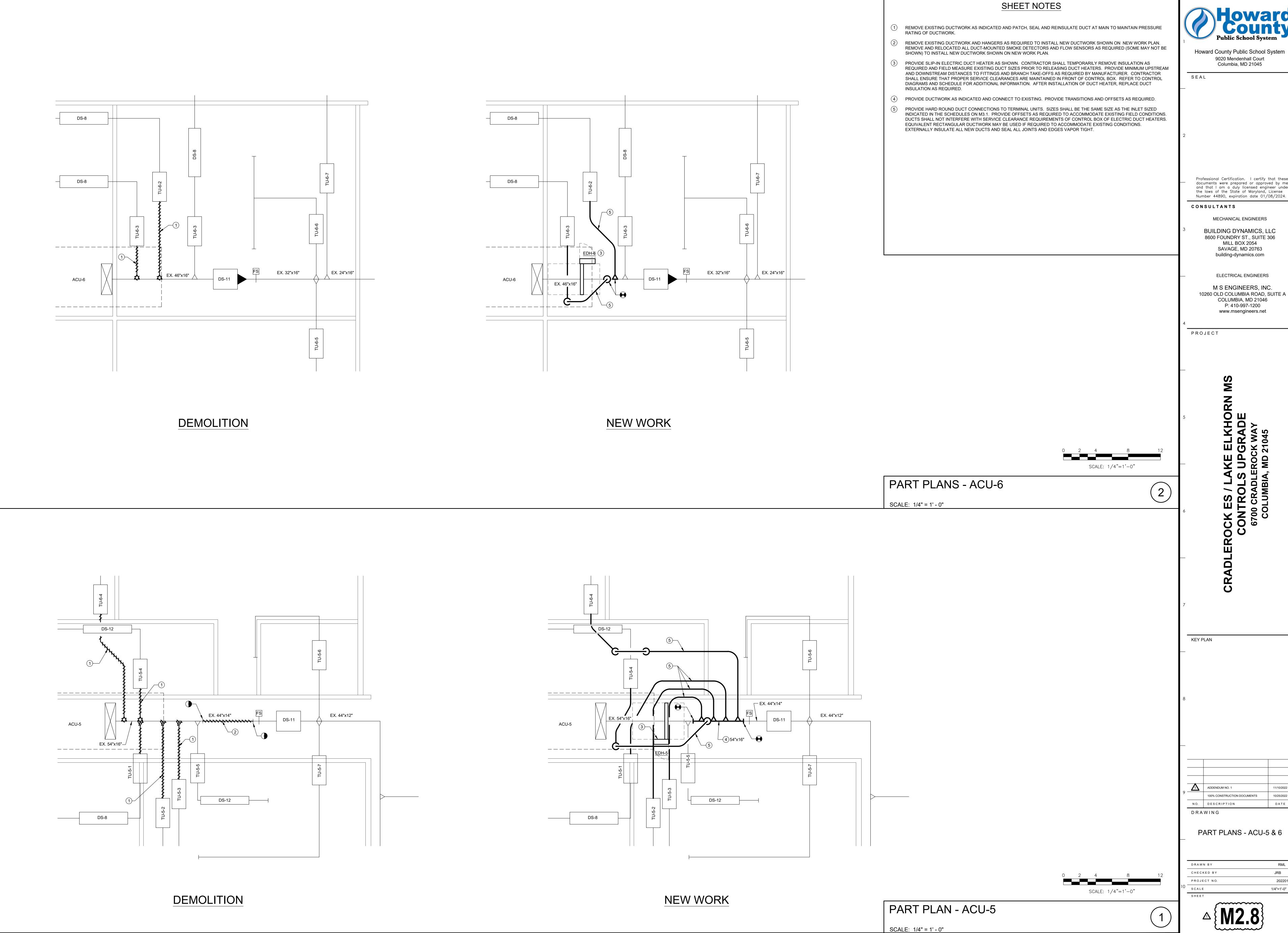
CHANGES TO THE SPECIFICATIONS:

1. None at this time.

END OF ADDENDUM NO. 1



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

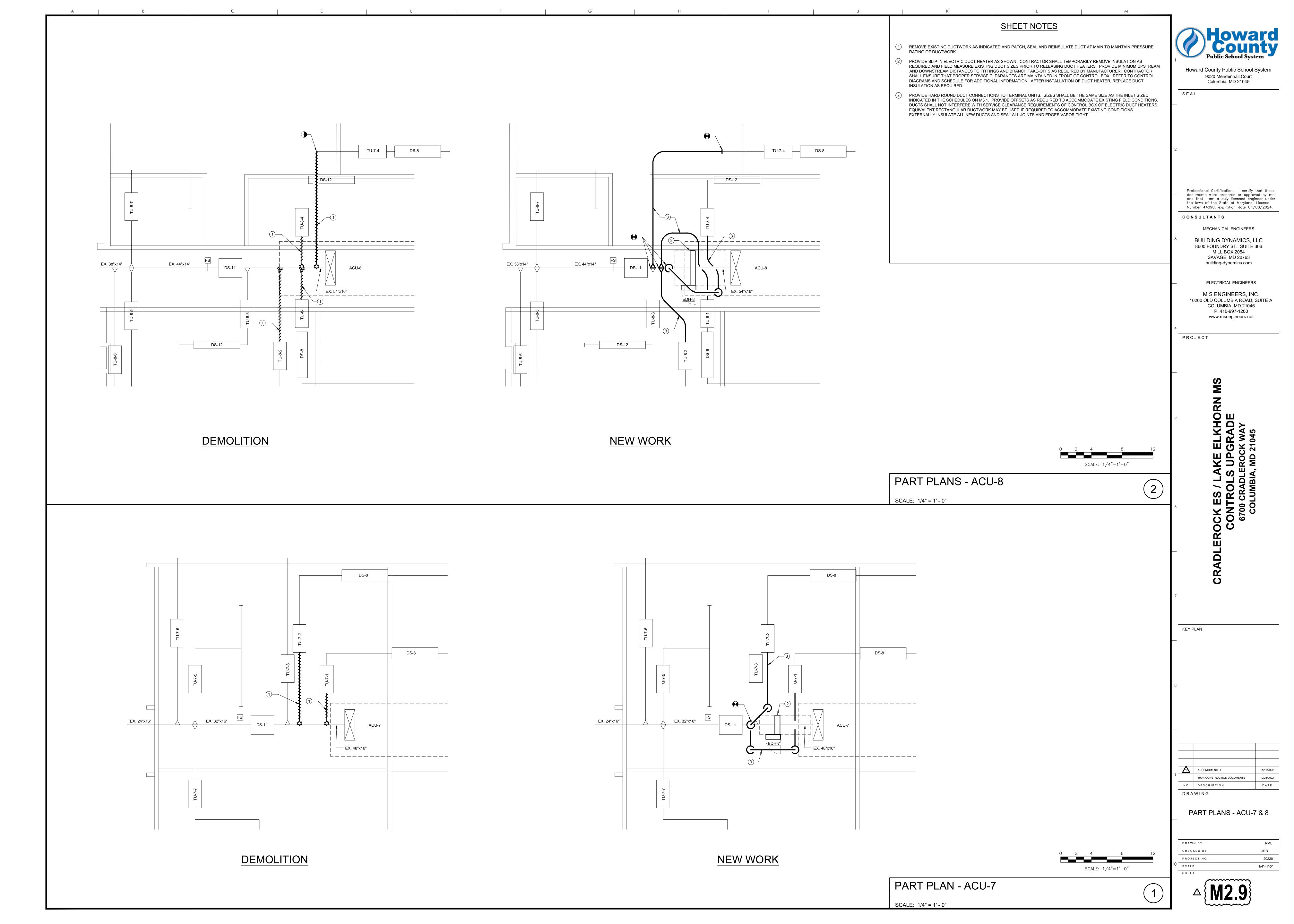


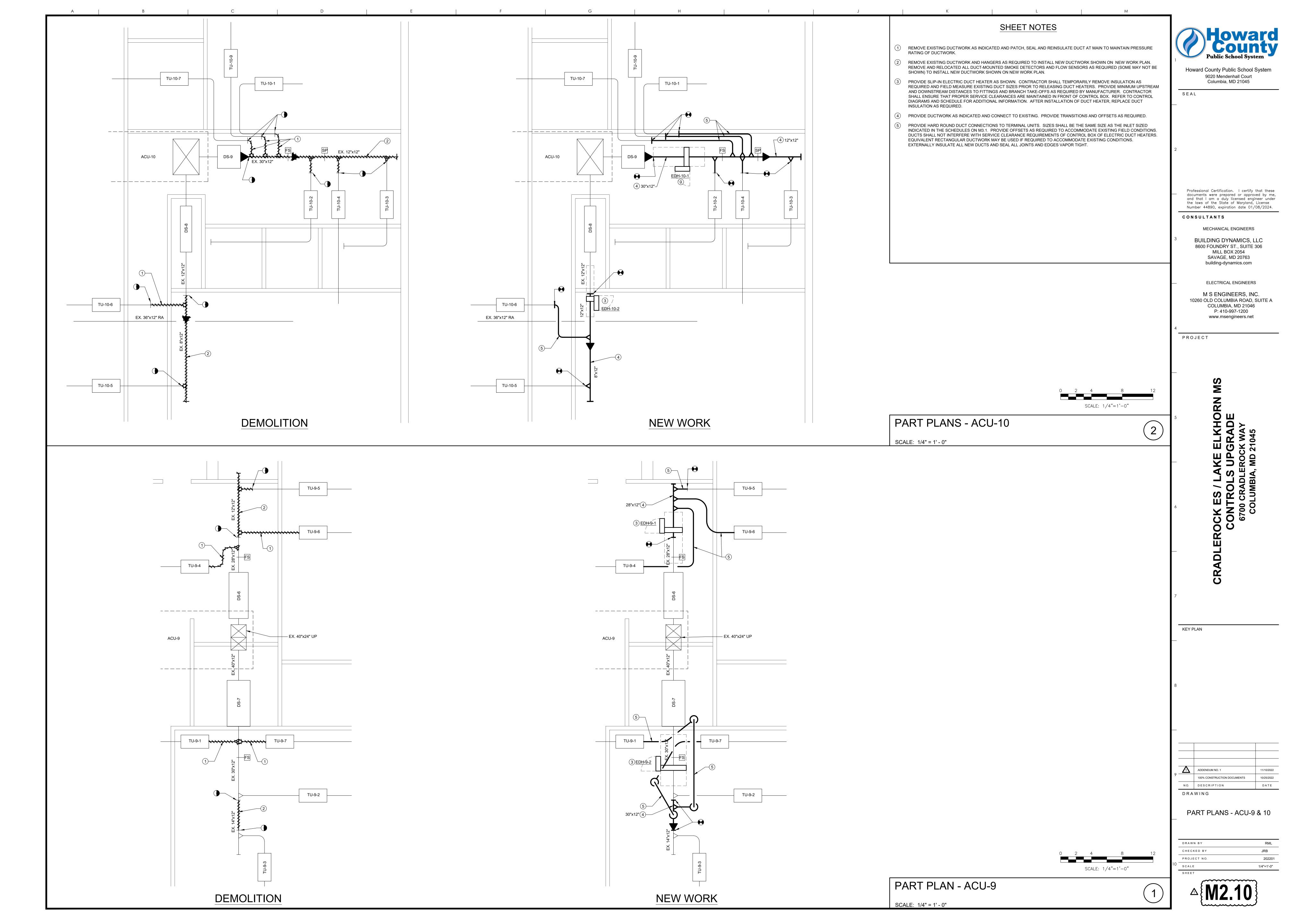
Howard County Public School System

Professional Certification. I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under

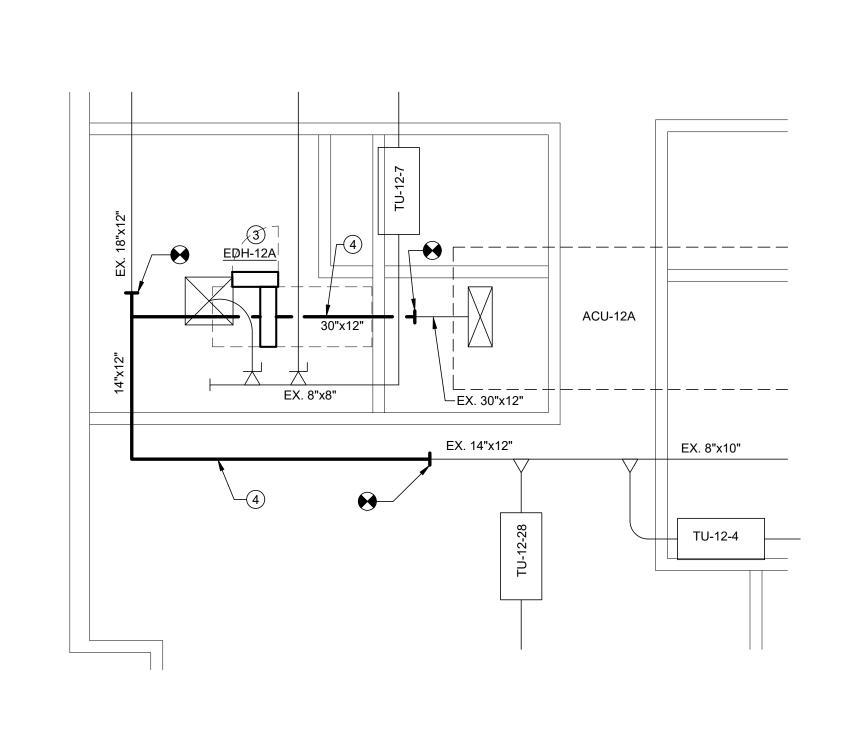
M S ENGINEERS, INC. 10260 OLD COLUMBIA ROAD, SUITE A COLUMBIA, MD 21046

PART PLANS - ACU-5 & 6





<u>-</u> ACU-12A EX. 18"x12" EX. 8"x8" └─EX. 30"x12" EX. 14"x12" EX. 8"x10" **DEMOLITION**



NEW WORK

SHEET NOTES

- (1) REMOVE EXISTING DUCTWORK AS INDICATED AND PATCH, SEAL AND REINSULATE DUCT AT MAIN TO MAINTAIN PRESSURE RATING OF DUCTWORK.
- (2) REMOVE EXISTING DUCTWORK AND HANGERS AS REQUIRED TO INSTALL NEW DUCTWORK SHOWN ON NEW WORK PLAN. REMOVE AND RELOCATED ALL DUCT-MOUNTED SMOKE DETECTORS AND FLOW SENSORS AS REQUIRED (SOME MAY NOT BE
- SHOWN) TO INSTALL NEW DUCTWORK SHOWN ON NEW WORK PLAN. (3) PROVIDE SLIP-IN ELECTRIC DUCT HEATER AS SHOWN. CONTRACTOR SHALL TEMPORARILY REMOVE INSULATION AS REQUIRED AND FIELD MEASURE EXISTING DUCT SIZES PRIOR TO RELEASING DUCT HEATERS. PROVIDE MINIMUM UPSTREAM AND DOWNSTREAM DISTANCES TO FITTINGS AND BRANCH TAKE-OFFS AS REQUIRED BY MANUFACTURER. CONTRACTOR

SHALL ENSURE THAT PROPER SERVICE CLEARANCES ARE MAINTAINED IN FRONT OF CONTROL BOX. REFER TO CONTROL DIAGRAMS AND SCHEDULE FOR ADDITIONAL INFORMATION. AFTER INSTALLATION OF DUCT HEATER, REPLACE DUCT

- (4) PROVIDE DUCTWORK AS INDICATED AND CONNECT TO EXISTING. PROVIDE TRANSITIONS AND OFFSETS AS REQUIRED.
- PROVIDE HARD ROUND DUCT CONNECTIONS TO TERMINAL UNITS. SIZES SHALL BE THE SAME SIZE AS THE INLET SIZED INDICATED IN THE SCHEDULES ON M3.1. PROVIDE OFFSETS AS REQUIRED TO ACCOMMODATE EXISTING FIELD CONDITIONS. DUCTS SHALL NOT INTERFERE WITH SERVICE CLEARANCE REQUIREMENTS OF CONTROL BOX OF ELECTRIC DUCT HEATERS. EQUIVALENT RECTANGULAR DUCTWORK MAY BE USED IF REQUIRED TO ACCOMMODATE EXISTING CONDITIONS. EXTERNALLY INSULATE ALL NEW DUCTS AND SEAL ALL JOINTS AND EDGES VAPOR TIGHT.



9020 Mendenhall Court Columbia, MD 21045

Howard County Public School System

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

BUILDING DYNAMICS, LLC 8600 FOUNDRY ST., SUITE 306 MILL BOX 2054

SAVAGE, MD 20763 building-dynamics.com

ELECTRICAL ENGINEERS

M S ENGINEERS, INC. 10260 OLD COLUMBIA ROAD, SUITE A COLUMBIA, MD 21046 P: 410-997-1200 www.msengineers.net

PROJECT

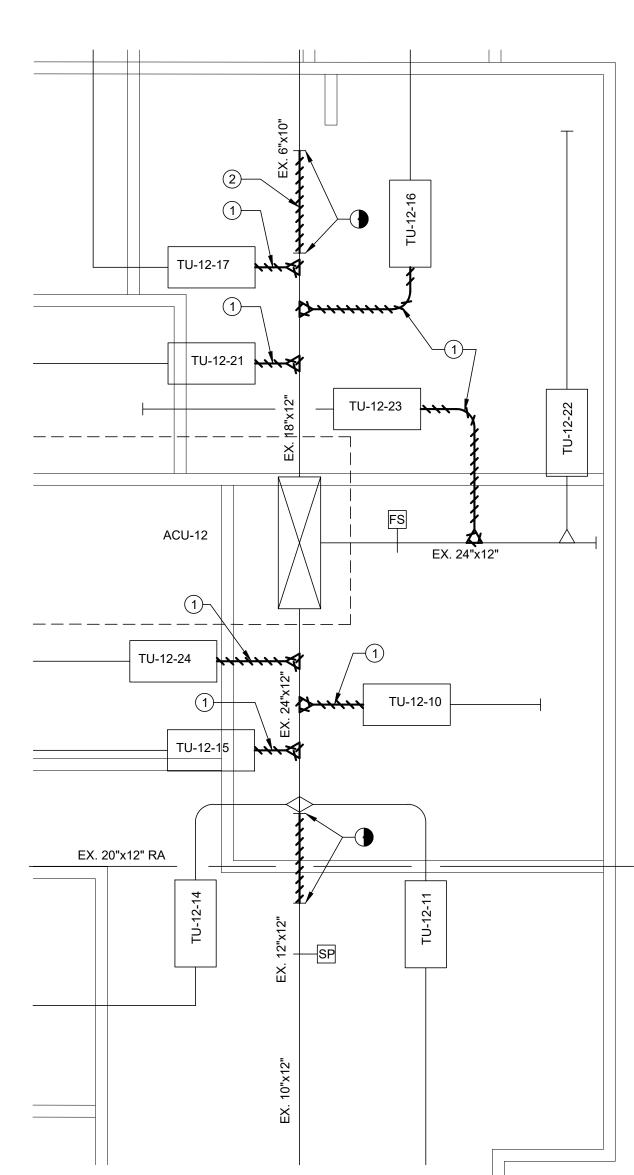
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PART PLANS - ACU-12A

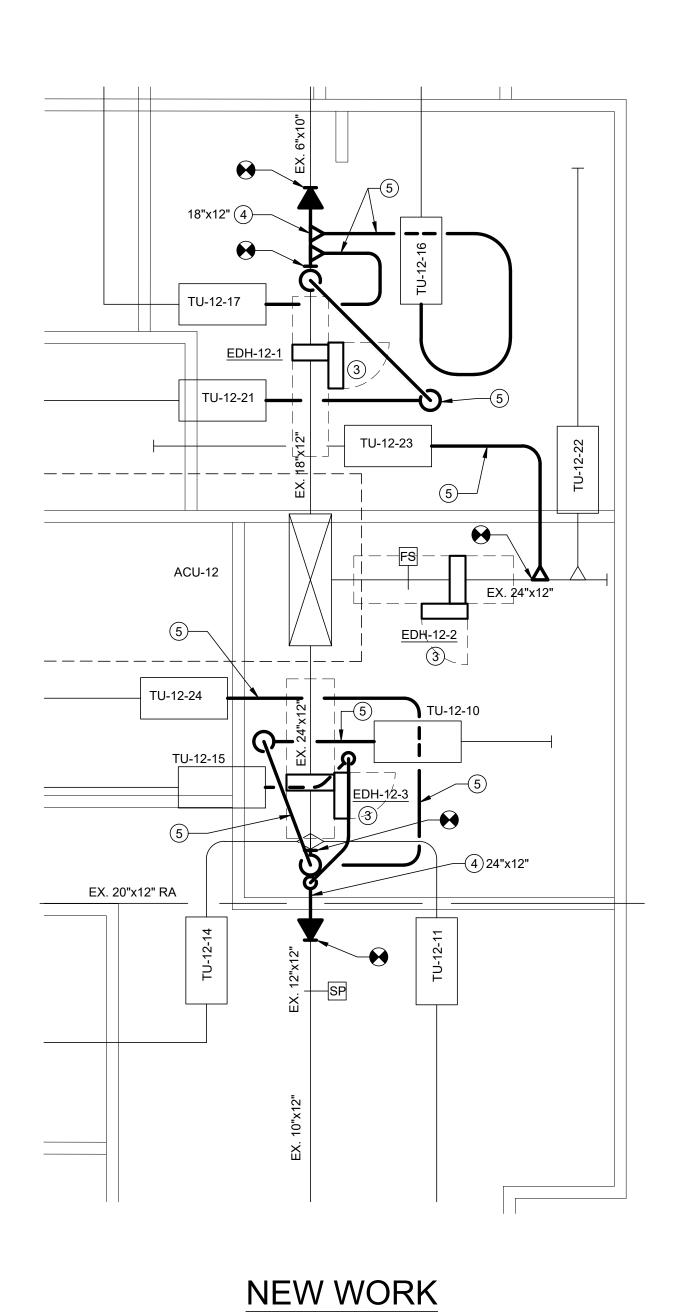
INSULATION AS REQUIRED.

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





DEMOLITION



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

100% CONSTRUCTION DOCUMENTS

PART PLANS -ACU-21 & 12A

NO. DESCRIPTION

DRAWING

PART PLAN - ACU-12

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