Construction RFP for
CLARA MARTIN EAST VALLEY ACADEMY VENTILATION UPGRADES
ADDENDUM 1

December 21, 2023

Clara Martin Center
579 Vermont Route 14
East Randolph, VT 05041

Project no: Clara Martin East Valley Academy Ventilation upgrades
East Valley Academy
579 Vermont Route 14
East Randolph, VT 05041

TO ALL BIDDERS OF RECORD:
This Addendum consists of 1 description page, 2 drawings & 1 revised specification section.

Acknowledge receipt of this Addendum by entering its number and date on the Proposal Form. This Addendum forms a part of the Contract Documents and modifies them as follows:

1. Pre-bid Questions:

   1.1 Is a bid bond required?
   Yes due to federal funding a bid, performance and a payment bond will be required. See attached Specification section 004100

   1.2 Would it be acceptable to use wall hanger supports for the AC unit in lieu of mounting the outdoor unit on a pad?
   Yes for the AC unit serving the computer room provided that ample vibration isolation can be installed to eliminate any wall vibration/noise. Heat Pumps for add alternate will require concrete pads in accordance with AC slit outdoor unit mounting detail.

   1.3 Will the owner be responsible for opening and patching the soffits where required?
   No – the contractor will be responsible for opening up all soffits where required and repairing them including all finishes to match existing conditions.

   1.4 Is the kitchen hood remaining as a requirement of the project?
   Yes

2. Add attached drawings M2.3 Mechanical Piping Plan Add Alternate 1 & E2.2 Electrical Plan Add Alternate – Add alternate 1 to the project
3. Replace Specification Section 004100 with Attached Specification Section 004100 to include bonding requirements.
4. Modify Specification section 000102 as follows:

   1.04 PROCUREMENT TIMETABLE
   C. Bid Due Date: January 19th, 2024, before 2 PM local time
   D. Bid Opening: January 19th, 2024, 3 PM local time

END OF ADDENDUM 1

SECTION 004100
BID FORM

THE PROJECT AND THE PARTIES

1.01 TO:

A. Clara Martin Center
579 Vt Route 14
East Randolph, Vermont
05041

1.02 FOR:

A. Project: Clara Martin East Valley Academy Ventilation Upgrades

B. Owner's Project Number: Clara Martin EVA
Project Location:
Clara Martin East Valley Academy
579 Vermont Route 14.
East Randolph, Vermont 05041

1.03 DATE: _____ (BIDDER TO ENTER DATE)

1.04 SUBMITTED BY: (BIDDER TO ENTER NAME AND ADDRESS)

A. Bidder's Full Name _____
1. Address _____
2. City, State, Zip_____

1.05 OFFER

A. Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Bid Documents prepared by DuBois & King for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the Sum of:

B. _____
_____ dollars
($_____), in lawful money of the United States of America.

C. All applicable federal taxes are included and State of Vermont taxes are included in the Bid Sum. The Clara Martin Center is tax exempt.

1.06 ACCEPTANCE

A. This offer shall be open to acceptance and is irrevocable for sixty days from the bid closing date.

B. If this bid is accepted by Owner within the time period stated above, we will:
1. Execute the Agreement within seven days of receipt of Notice of Award.
2. Commence work within seven days after written Notice to Proceed of this bid.

1.07 CONTRACT TIME

A. If this Bid is accepted, we will:

B. Complete the Work by the 19th day of August, 2024.

1.08 BID FORM SIGNATURE(S)

A. The Corporate Seal of

B. _____

C. (Bidder - print the full name of your firm)

D. was hereunto affixed in the presence of:

E. _____

F. (Authorized signing officer, Title)

G. (Seal)

H. _____

I. (Authorized signing officer, Title)

BONDS AND INSURANCE

2.01 BID BOND

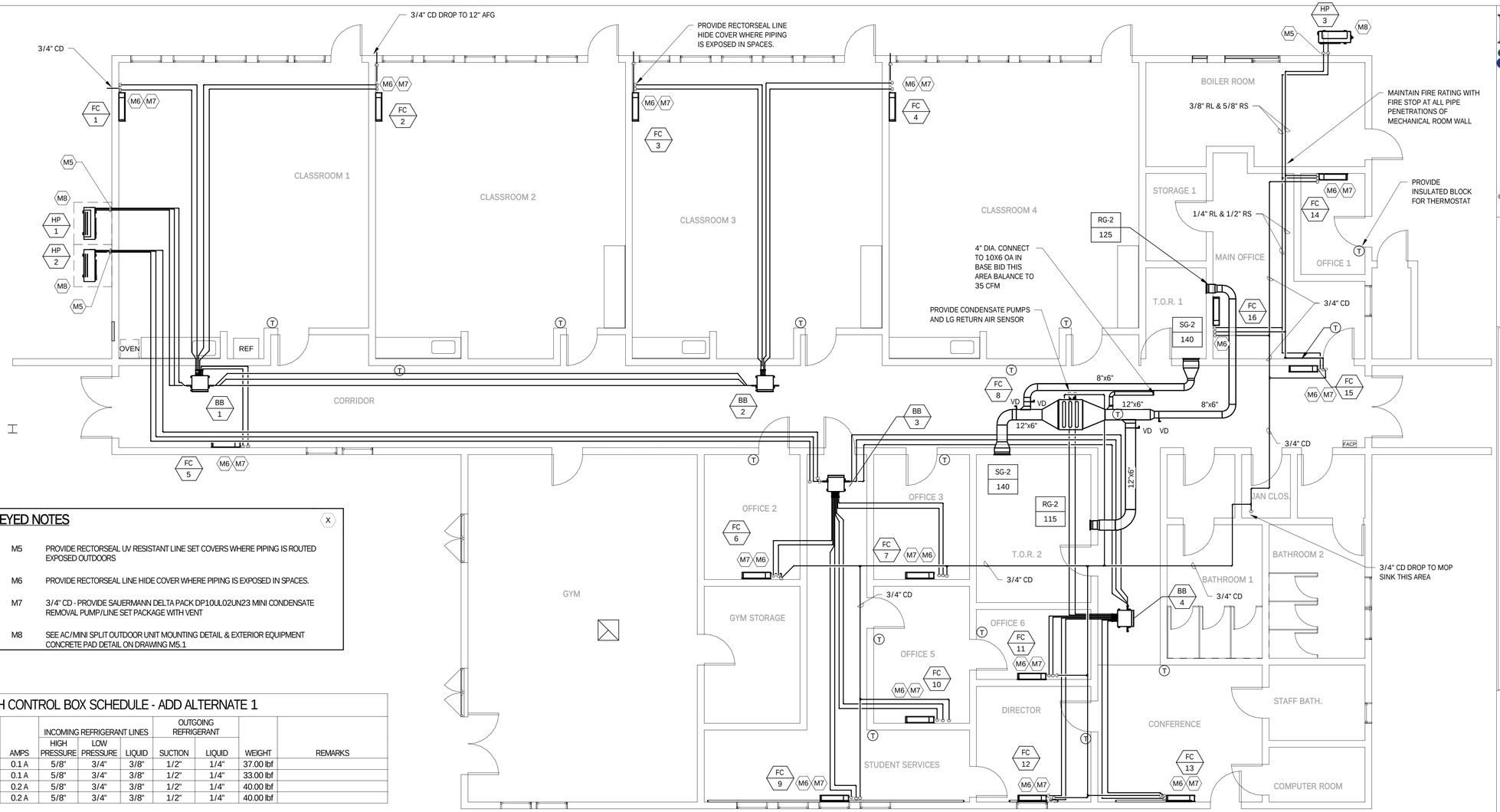
The following documents are attached to and made a condition of this Bid:

A. Required Bid security in the form of a certified check payable to the Owner for five percent (5%) of the total amount of the bid. A Bid Bond may be used in lieu of a certified check.

2.02 PERFORMANCE, PAYMENT, AND OTHER BONDS

A. Contractor shall furnish a performance bond and a payment bond, each in an amount at least equal to 100% of the Contract Price, as security for the faithful performance and payment of Contractor's obligations under the Contract. These bonds must remain in effect until one year after the date when final payment becomes due.

END OF SECTION 004100



1 MECHANICAL PIPING LEVEL 1 - ADD ALTERNATE 1
3/16" = 1'-0"

KEYED NOTES

M5	PROVIDE RECTORSEAL UV RESISTANT LINE SET COVERS WHERE PIPING IS ROUTED EXPOSED OUTDOORS
M6	PROVIDE RECTORSEAL LINE HIDE COVER WHERE PIPING IS EXPOSED IN SPACES.
M7	3/4" CD - PROVIDE SAUERMANN DELTA PACK DP10UL02UN23 MINI CONDENSATE REMOVAL PUMP/LINE SET PACKAGE WITH VENT
M8	SEE AC/MINI SPLIT OUTDOOR UNIT MOUNTING DETAIL & EXTERIOR EQUIPMENT CONCRETE PAD DETAIL ON DRAWING M5.1

HEAT PUMP BRANCH CONTROL BOX SCHEDULE - ADD ALTERNATE 1

TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	SERVICE	VOLTS	PHASE	AMPS	INCOMING REFRIGERANT LINES HIGH PRESSURE	INCOMING REFRIGERANT LINES LOW PRESSURE	INCOMING REFRIGERANT LINES LIQUID	OUTGOING REFRIGERANT SUCTION	OUTGOING REFRIGERANT LIQUID	WEIGHT	REMARKS
BB-1	LG Electronics	PRHR033A	HP-1	208 V	1	0.1 A	5/8"	3/4"	3/8"	1/2"	1/4"	37.00 lbf	
BB-2	LG Electronics	PRHR023A	HP-1	208 V	1	0.1 A	5/8"	3/4"	3/8"	1/2"	1/4"	33.00 lbf	
BB-3	LG HVAC USA	PRHR043A	HP-2	208 V	1	0.2 A	5/8"	3/4"	3/8"	1/2"	1/4"	40.00 lbf	
BB-4	LG HVAC USA	PRHR043A	HP-2	208 V	1	0.2 A	5/8"	3/4"	3/8"	1/2"	1/4"	40.00 lbf	

BASIS OF DESIGN (ADD ALTERNATE)

1. ADD ALTERNATE NO. 1 HEAT PUMPS/FAN COILS: HEAT PUMP/FAN COILS TO OPERATE UNDER MANUFACTURER'S CONTROLS TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 70 DEG. (HEATING, ADJUSTABLE) AND 75 DEG. F (COOLING, ADJUSTBALE) . IF SPACE TEMPERATURE DROPS 2 DEG. F BELOW SETPOINT, RELAY TO OPEN CORRESPONDING VALVE AT FINNED TUBE RADIATION TO SATISFY HEATING TEMPERATURE. WHEN SPACE IS SATISFIED, FINNED TUBE RADIATION VALVE TO CLOSE. BOILER AND ASSOCIATED PUMPS TO BE ENABLED WHEN ANY VALVE OPENS. A CENTRAL CONTROLLER LOCATED IN THE MECHANICAL ROOM SHALL BE CONNECTED TO ALL FAN COILS AND HEAT PUMPS.

SEQUENCE OF OPERATIONS (ADD ALTERNATE)

1. BID ALTERNATE NO. 1 HEAT PUMPS/FAN COILS: HEAT PUMP/FAN COILS TO OPERATE UNDER MANUFACTURER'S CONTROLS TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 70 DEG. (HEATING, ADJUSTABLE) AND 75 DEG. F (COOLING, ADJUSTBALE) . IF SPACE TEMPERATURE DROPS 2 DEG. F BELOW SETPOINT, RELAY TO OPEN CORRESPONDING VALVE AT FINNED TUBE RADIATION TO SATISFY HEATING TEMPERATURE. WHEN SPACE IS SATISFIED, FINNED TUBE RADIATION VALVE TO CLOSE. BOILER AND ASSOCIATED PUMPS TO BE ENABLED WHEN ANY VALVE OPENS. A CENTRAL CONTROLLER LOCATED IN THE MECHANICAL ROOM SHALL BE CONNECTED TO ALL FAN COILS AND HEAT PUMPS

HEAT PUMP, SPLIT TYPE INDOOR UNIT SCHEDULE - ADD ALTERNATE 1

TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	COOLING PERFORMANCE CAPACITY	EAT DB	EAT WB	HEATING PERFORMANCE CAPACITY	EAT DB	EAT WB	CFM (AT MEDIUM SPEED)	FAN QTY	POWER (WATTS)	VOLTS	PHASE	AMPS	HZ	WEIGHT	SOUND (DBA)	REMARKS
FC-1	LG Electronics	ARNU153SJA4	15,400 Btu/h	80 °F	67 °F	17,100 Btu/h	68 °F	56 °F	336 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	42	
FC-2	LG Electronics	ARNU153SJA4	15,400 Btu/h	80 °F	67 °F	17,100 Btu/h	68 °F	56 °F	336 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	42	
FC-3	LG Electronics	ARNU153SJA4	15,400 Btu/h	80 °F	67 °F	17,100 Btu/h	68 °F	56 °F	336 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	42	
FC-4	LG Electronics	ARNU153SJA4	15,400 Btu/h	80 °F	67 °F	17,100 Btu/h	68 °F	56 °F	336 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	42	
FC-5	LG Electronics	ARNU053SJA4	5,000 Btu/h	80 °F	67 °F	6,100 Btu/h	68 °F	56 °F	230 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	32	
FC-6	LG Electronics	ARNU053SJA4	5,000 Btu/h	80 °F	67 °F	6,100 Btu/h	68 °F	56 °F	230 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	32	
FC-7	LG Electronics	ARNU053SJA4	5,000 Btu/h	80 °F	67 °F	6,100 Btu/h	68 °F	56 °F	230 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	32	
FC-8	LG Electronics	ARNU073M1A4	7,000 Btu/h	80 °F	67 °F	8,500 Btu/h	68 °F	56 °F	279 CFM	1	190 W	230 V	1	1.60 A	60 Hz	56.00 lbf	41	
FC-9	LG Electronics	ARNU073SJA4	7,500 Btu/h	80 °F	67 °F	8,500 Btu/h	68 °F	56 °F	240 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	30	
FC-10	LG Electronics	ARNU053SJA4	5,000 Btu/h	80 °F	67 °F	6,100 Btu/h	68 °F	56 °F	230 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	32	
FC-11	LG Electronics	ARNU053SJA4	5,000 Btu/h	80 °F	67 °F	6,100 Btu/h	68 °F	56 °F	230 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	32	
FC-12	LG Electronics	ARNU053SJA4	5,000 Btu/h	80 °F	67 °F	6,100 Btu/h	68 °F	56 °F	230 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	32	
FC-13	LG Electronics	ARNU073SJA4	7,500 Btu/h	80 °F	67 °F	8,500 Btu/h	68 °F	56 °F	240 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	30	
FC-14	LG Electronics	ARNU053SJA4	5,000 Btu/h	80 °F	67 °F	6,100 Btu/h	68 °F	56 °F	230 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	32	
FC-15	LG Electronics	ARNU073SJA4	7,500 Btu/h	80 °F	67 °F	8,500 Btu/h	68 °F	56 °F	240 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	30	
FC-16	LG Electronics	ARNU073SJA4	7,500 Btu/h	80 °F	67 °F	8,500 Btu/h	68 °F	56 °F	240 CFM	1	30 W	230 V	1	0.25 A	60 Hz	25.00 lbf	30	

NOTES:
1. PROVIDE PQRCVCLOQW SIMPLE WIRED CONTROLLER FOR ALL FAN COILS. PROVIDE LG AUXILIARY HEATER RELAY KIT FOR ALL FAN COILS.

HEAT PUMP, SPLIT TYPE OUTDOOR UNIT SCHEDULE - ADD ALTERNATE 1

TAG	MATCHED UNIT TAG	LOCATION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	COOLING CONDITION COOLING CAPACITY (TONS)	EAT DB	EAT WB	EFFICIENCY EER	EFFICIENCY SEER	HEATING CONDITION 1 HEATING CAPACITY	EAT DB	EAT WB	COP	HEATING CONDITION 2 HEATING CAPACITY	EAT DB	EAT WB	COP	HEATING CONDITION 3 HEATING CAPACITY	EAT DB	EAT WB	FAN AIRFLOW	ELECTRICAL VOLTS	PHASE	HZ	MCA	REFRIGERANT	SOUND (DBA)	WEIGHT	REMARKS
HP-1	FC-1 THRU 5	NORTH GRADE	LG ELECTRONICS	ARUB060GSS4	5 ton	85 °F	70 °F	13	23	67,000 Btu/h	48 °F	47 °F	3.9	50,000 Btu/h	6 °F	5 °F	1.83	43,440 Btu/h	-12 °F	-13 °F	3,885 CFM	230 V	1	60 Hz	25.4 A	R-410A	57	291 lbf	
HP-2	FC-6 THRU 13	NORTH GRADE	LG ELECTRONICS	ARUM048GSS5	4 ton	85 °F	70 °F	13.5	23.3	61,000 Btu/h	48 °F	47 °F	3.7	48,000 Btu/h	6 °F	5 °F	1.83	36,400 Btu/h	-12 °F	-13 °F	4,238 CFM	230 V	1	60 Hz	24.0 A	R-410A	54	294 lbf	
HP-3	FC-14 THRU 16	SOUTHEAST GRADE	LG ELECTRONICS	ARUN024GSS4	2 ton	85 °F	70 °F	14.8	18.5	31,200 Btu/h	48 °F	47 °F	3.9	26,200 Btu/h	6 °F	5 °F	2.16	0 Btu/h	-12 °F	-13 °F	2,119 CFM	208 V	1	60 Hz	0.0 A	R410A	0		Fourth Generation Design

NOTES:
1. PROVIDE AC SMART 5 CENTRAL CONTROLLER LOCATED AS DIRECTED BY OWNER.

DuBois & King inc.
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28 NORTH MAIN ST.
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OFFICES IN VERMONT, NEW HAMPSHIRE, MAINE & NEW YORK

STATE OF VERMONT JASON H. PARKHURST No. 030112 MECHANICAL LICENSED PROFESSIONAL ENGINEER

REVISIONS	NUMBER	DATE	REVISION DESCRIPTION	BY

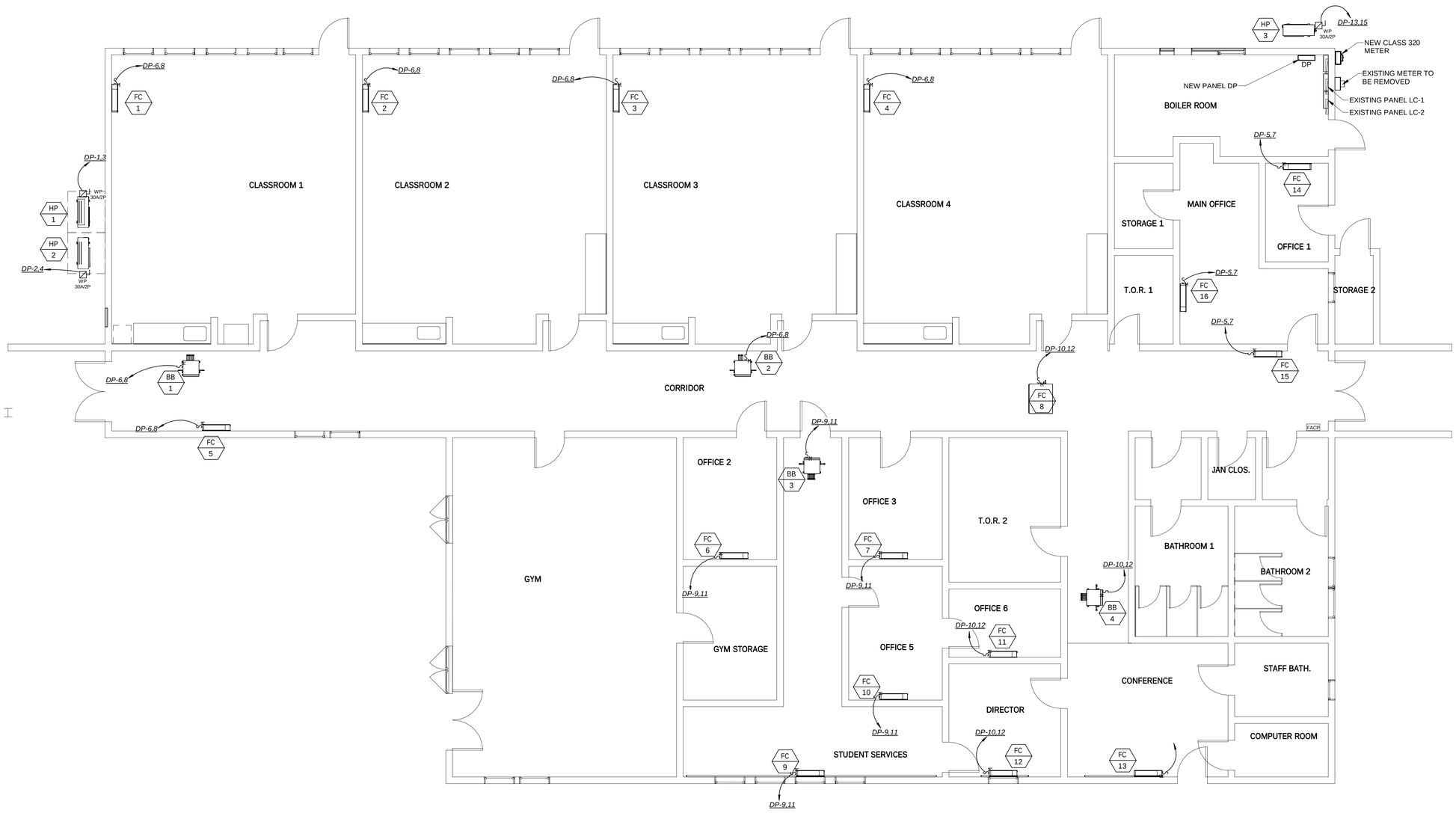
PROJECT NAME:
CLARA MARTIN EAST VALLEY ACADEMY
EAST RANDOLPH, VT

SHEET TITLE:
MECH PIPING PLAN ADD ALTERNATE 1

DRAWN BY	DATE
Author	12/06/2023
CHECKED BY Checker	D&K PROJECT #
PROJ. ENG. Designer	D&K ARCHIVE #

SHEET NUMBER
M2.3

SHEET: of



1 ELECTRICAL LEVEL 1 - ADD ALTERNATE 1
3/16" = 1'-0"

HORIZONTAL SCALE IN FEET
4' 2' 1' 0' 4' 8' 12' 16'

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REVISIONS

NUMBER	DATE	REVISION DESCRIPTION	BY

PROJECT NAME:
CLARA MARTIN EAST VALLEY ACADEMY
EAST RANDOLPH, VT

SHEET TITLE:
ELECTRICAL PLAN ADD ALTERNATE

DRAWN BY	DATE
WHH	12/06/2023
CHECKED BY	D&K PROJECT #
RFK	
PROJ. ENG.	D&K ARCHIVE #
WHH	

SHEET NUMBER
E2.2

SHEET: of