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# RCSC Middle School
# HVAC Replacement

**Project #** 2025.0008
**January 13, 2026**

**ADDENDUM NO. A-3**

This addendum is issued as a supplement to the plans and specifications and shall be considered an integral part of the same. Acknowledgement of receipt of this addendum is required on the Bid Form.

**ARCHITECTURAL**

**Item:** **A-3.1**
Location: Drawings
Description: Replace sheet G0.0 Cover Sheet dated 1-12-2026 with new drawing dated 1-13-2026. Added an Alternate #7.

**Item:** **A-3.2**
Location: Drawings
Description: Replace sheet G1.0 Phasing dated 1-12-2026 with new drawing dated 1-13-2026. Added a scope box with note around AHU-1, purple area.

**Item:** **A-3.3**
Location: Drawings
Description: Replace sheet G9.1 Reflected Ceiling Plan Sheet dated 1-12-2026 with new drawing dated 1-13-2026. Added a ceiling grid graphic to Restrooms E118 and E119. Modify existing ceiling to install ceiling recessed unit heaters.

**Item:** **A-3.4**
Location: Specifications
Description: Delete Old Bid Form section 004110 and replace with New Bid Form section 004110. Bid sheet adds a line item to state the cost for Alternate #7.

**Item:** **A-3.5**
Location: Specifications
Description: Delete old Section 012300 – Alternates and replace with new Section 12300 – Alternates. Added an Alternate #7.

**MECHANICAL**

**Item:** **M-3.1**
Location: Mechanical Drawings: ALL.
Description: Clarification: It is the intent of this project that Temperature Controls Contractor shall furnish the Mechanical Contractor with all new electronic HVAC control valves for the AHU's, VAV's, CUH's, UH's, FTR's, and all other HVAC equipment included within the scope of this project. The Mechanical Contractor shall be responsible for installing the new control valves within the hydronic piping at all HVAC equipment as shown on sheet M5.2. The TCC shall provide and install all low voltage wiring for the new control valves to be connected to the appropriate controller as required for operation.

**Item:** **M-3.2**
Location: Mechanical Drawings: ALL.
Description: Clarification: It is the intent of this project that Temperature Controls Contractor shall furnish the Electrical Contractor with all new VFd's as required for the AHU's and hydronic pumps equipment included within the scope of this project. The Electrical Contractor shall be responsible for installing the new VFD's on the wall and providing the line voltage connections for the VFD's. The TCC shall provide and install all low voltage wiring and accessories for the new VFD's for a complete and functioning system.

**Item:** **M-3.3**
Location: Mechanical Drawings: M1.0.
Description: Revision: Revise the Lower Level Mechanical Plan as shown on the attached revised sheet M1.0. Added hydronic piping size tags to the hot water piping that is connected to the VAV's and CUH's. All piping that is connected to the fin tube radiators is to be ¾"ø per the original documents.

**Item:** **M-3.4**
Location: Mechanical Drawings: M1.1A.
Description: Revision: Revise the First Floor Mechanical Plan – Unit A as shown on the attached revised sheet M1.1A. Added hydronic piping size tags to the hot water piping that is connected to the VAV's and CUH's. All piping that is connected to the fin tube radiators is to be ¾"ø per the original documents.

**Item:** **M-3.5**
Location: Mechanical Drawings: M1.1A.
Description: Revision: Revise the First Floor Mechanical Plan – Unit A as shown on the attached revised sheet M1.1A. Added a dashed scope box around all ductwork and VAV's associated with air handling unit, AHU-1 to show the extent of work that is to be included in Alternate #5.

**Item:** **M-3.6**
Location: Mechanical Drawings: M1.1B**.**
Description: Revision: Revise the First Floor Mechanical Plan – Unit B as shown on the attached revised sheet M1.1B. Added hydronic piping size tags to the hot water piping that is connected to the VAV's and CUH's. All piping that is connected to the fin tube radiators is to be ¾"ø per the original documents.

**Item:** **M-3.7**
Location: Mechanical Drawings: M1.1C.
Description: Revision: Revise the First Floor Mechanical Plan – Unit C as shown on the attached revised sheet M1.1C. Added hydronic piping size tags to the hot water piping that is connected to the VAV's and CUH's. All piping that is connected to the fin tube radiators is to be ¾"ø per the original documents.

**Item:** **M-3.8**
Location: Mechanical Drawings: M1.2
Description: Revision: Revise the Penthouse Mechanical Plan as shown on the attached revised sheet M1.2. Added hydronic piping size tags to the chilled water, hot water, and condensate piping that is connected to the air handling units.

**Item:** **M-3.9**
Location: Mechanical Drawings: M1.2
Description: Revision: Revise the Penthouse Mechanical Plan as shown on the attached revised sheet M1.2. Added a dashed scope box around air handling unit, AHU-1 to show the extent of work that is to be included in Alternate #5.

**Item:** **M-3.10**
Location: Mechanical Drawing: M5.3
Description: Revision: It is the intent of this project that Temperature Controls Contractor shall provide the Mechanical Contractor with all new electronic boiler isolation valves for installation within the hydronic piping as shown on the Hot Water Flow Diagram. The Mechanical Contractor shall be responsible for installing the new control valves within the hydronic piping at the boiler as shown on sheet M5.3. The TCC shall provide and install all low voltage wiring for the new control valves to be connected to the appropriate controller as required for operation.

**ADDITIONAL CONTRACTOR QUESTIONS AND ANSWERS**

Q1: Is a specific document needed for background checks completed on all employees?

A1: Official background checks are to be provided if a contractor is awarded a project. Services such as SafeHiring Solutions can provide the Background Checks needed by the school corporation.

Q2: What documentation is needed to comply with the State of Indiana Common Wage Act? Is this project federally funded?

A2: The School Corporation's Bond is not federally funded. All contractors must comply with all requirements of the Common Wage Act. No documentation is needed, but if the School Corporation is audited, a contractor must provide documentation showing compliance.

Q3: Sheet M1.0 does not indicate any piping sizes. The corresponding flow diagram in detail 1 on sheet M5.3 indicates that most of the piping will be 5 inches. Would it be acceptable to substitute with 6"pipe/fittings in lieu of the 5"?

A3: Bid Piping as shown on the construction documents.

Q4: Please clarify intention for requirements to install VFDs relating to sheet M1.0, note 5 and M1.2, note 3 and sheet E1.2 note 4 and sheet E2.1 note 7?

A4: The TCC shall furnish the VFD and the EC is to physically install and provide line voltage to the units. The TCC will provide the low voltage.

END OF ADDENDUM NO. 3

# SECTION 004110 - THE BID FORM

## THE PROJECT AND THE PARTIES

1.1 TO:

A. **Owner**
**Rochester Community School Corporation**
**690 Zebra Lane**
**Rochester, Indiana 46975**

1.2 FOR:

**RCSC MS HVAC Replacement**

1.3 DATE: _____ (Bidder to enter date)

1.4 SUBMITTED BY: (Bidder to enter name and address)

A. Bidder's Full Name _____

Address _____

City, State, Zip_____

1.5 OFFER (BASE BID)

A. Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by Viridian Architectural Design, Inc. 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. Project is Tax Exempt.

D. All Bonds described in Section 002213 are to be included in the Bid.

E. All Cash and Contingency Allowances described in Section 012100 **are to be included in the Base Bid Sum.**

F. All Alternate Lump Sum pricing described in Section 012300 Alternates **are to be included as deductions to the Base Bid,** stated as separate pricing in section 1.8.

1.6 ACCEPTANCE

A. This offer shall be open to acceptance and is irrevocable for ninety 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. Furnish the required bonds within seven days of receipt of Notice of Award.
3. Commence work within seven days after written Notice to Proceed of this bid.

1.7 CONTRACT TIME

A. If this Bid is accepted, work shall be completed no later than the following:

B. **Base Bid –** Substantial Completion of the Boiler Room, Penthouse and Classrooms to a state of operational by Friday, July 24, 2026. Substantial Completion of the Project, including Commissioning, by Monday, December 28, 2026.

C. **Alternates** - Substantial Completion to coincide with the Base Bid Schedule, if possible; or, as determined by negotiation.

C. Should the Contractor wish to expedite the Contract they may do so by submitting a proposed schedule for review, consideration and comment with their sealed bid.

1.8 OFFER (ALTERNATES)

A. Having examined the Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by Viridian Architectural Design, Inc. for the above-mentioned project, we, the undersigned, hereby offer to include pricing to perform the Work for the Sum of:

**ALTERNATE #1** – STATE THE COMPLETE COST TO PROVIDE AND INSTALL LED LIGHTING IN THE BOILER ROOM AND PENTHOUSE.

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

**ALTERNATE #2** – STATE THE COMPLETE COST TO PROVIDE AND INSTALL A GAS-POWERED GENERATOR, AS NOTED IN CONSTRUCTION DOCUMENTS.

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

**ALTERNATE #3** – STATE THE COMPLETE COST, INCLUDING DEMO OF OLD FIN TUBE HEATER UNITS, TO PROVIDE AND INSTALL CEILING MOUNTED UNIT HEATERS IN THE BOYS AND GIRLS RESTROOMS.

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

**ALTERNATE #4**—STATE THE COMPLETE COST TO PROVIDE AND INSTALL ALL AIR-HANDLING UNITS, VAV'S AND RELATED EQUIPMENT SHOWN FOR FULL SCOPE OF REPLACEMENT OF AHU-7.

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

**ALTERNATE #5**—STATE THE COMPLETE COST TO PROVIDE AND INSTALL ALL AIR-HANDLING UNITS, VAV'S AND RELATED EQUIPMENT SHOWN FOR FULL SCOPE OF REPLACEMENT OF AHU-1. THE SCHEDULE WILL BE PHASED BEYOND JULY 24, 2026 UP TO THE DATE OF SUBSTANTIAL COMPLETION.

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

**ALTERNATE #6**—AFFECTING AHU-1, AHU-2, AND AHU-3: THE TEMPERATURE CONTROL CONTRACTOR SHALL INCLUDE IN THEIR BASE BID REPLACEMENT COST OF THE EXISTING VFD UNITS. THE TEMPERATURE CONTROL CONTRACTOR SHALL STATE THE COMPLETE COST TO DEDUCT THE THREE VFD'S TO REMAIN IN PLACE AND TO BE REUSED. THE CONTRACTOR SHALL INCLUDE IN THIS COST THE VFD IN THE BOILER ROOM THAT WAS REPLACED IN 2021, PER ADDENDUM 02 ITEM M-2.11.

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

**ALTERNATE #7**—AFFECTING AHU-7, AND NOTED ON SHEET M1.2, CONTRACTOR SHALL STATE THE COMPLETE COST TO DEDUCT THE REPLACEMENT UNIT CHW CONTROL VALVE (REUSING EXISTING CONTROL VALVE).

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

1.9 CHANGES TO THE WORK

A. When Architect establishes that the method of valuation for Changes in the Work will be net cost plus a percentage fee in accordance with General Conditions, our percentage fee will be:

1. _____ percent overhead and profit on the net cost of our own Work;
2. _____ percent on the cost of work done by any Subcontractor.

B. On work deleted from the Contract, our credit to Owner shall be Architect-approved net cost plus _____ of the overhead and profit percentage noted above.

1.10 ADDENDA

A. The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.

1. Addendum # _____ Dated _____.
2. Addendum # _____ Dated _____.
3. Addendum # _____ Dated _____.

1.11 BID FORM SIGNATURE(S)

The Corporate Seal of

_____

(Bidder - print the full name of your firm)

was hereunto affixed in the presence of:

_____

(Authorized signing officer, Title)

(Seal)

_____

(Authorized signing officer, Title)

If the Bid is a joint venture or partnership, add additional forms of execution for each member of the joint venture in the appropriate form or forms as above.

END OF SECTION 004110

# SECTION 012300 - ALTERNATES

## PART 1 - GENERAL

### 1.1 RELATED DOCUMENTS

**A.** Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

### 1.2 SUMMARY

**A.** This Section includes administrative and procedural requirements for alternates.

### 1.3 DEFINITIONS

**A.** Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be deducted from the Base Bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. The credit for each alternate is the net addition to the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

### 1.4 PROCEDURES

**A.** Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

**B.** Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.

**C.** Execute accepted alternates under the same conditions as other work of the Contract.

**D.** Schedule: A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

**A. ALTERNATE 1 (DEDUCT)**

State the complete cost to remove and replace all room lighting with new LED room lighting for the Boiler Room and Penthouse.

**B. ALTERNATE 2 (DEDUCT)**

State the cost to provide and install a new gas-powered generator.

**C. ALTERNATE 3 (DEDUCT)**

State the cost to provide and install Unit Heaters in Boys and Girls Bathrooms, rooms A156 and A159. Clean wall tile thoroughly to match existing. Patch tile with tile of matching appearance, as required, for a like new appearance.

**D. ALTERNATE 4 (DEDUCT)**

State the cost to provide and install Air Handling units, VAVs and related equipment in Areas Blue, as shown on sheet G1.0 Phasing Plan. See mechanical and electrical drawings for additional information.

**E. ALTERNATE 5 (DEDUCT)**

State the complete cost to provide and install all air handling units, vav's and related equipment shown for full scope of replacement affecting AHU-1. The schedule for this area will extend beyond July 24, 2026 and will be phased (2) classrooms at a time until complete, up to the substantial completion date.

**F. ALTERNATE 6 (DEDUCT)**

Affecting AHU-1, AHU-2 and AHU-3: the temperature control contractor shall include in their base bid replacement of the existing VFD units. The temperature control contractor shall state the complete cost to deduct the three VFD's to remain in place and to be reused.

**G. ALTERNATE 7 (DEDUCT)**

Affecting AHU-7, and noted on sheet M1.2, Contractor shall state the complete cost to deduct the replacement unit CHW control valve (reusing existing control valve).

END OF SECTION 012300

# RCSC Middle School

## HVAC Replacement

## 650 Zebra Lane

## Rochester, IN

## December 22, 2025

## ABBREVIATIONS

| | | | | | |
|---|---|---|---|---|---|
| AB | ANCHOR BOLT | HB-___ | HOSE BIBB | RA | RETURN AIR |
| AC | AIR CONDITIONING | HDR | HEADER | RAD | RADIUS |
| ADD | ADDENDUM | HDW | HARDWARE | RB | RUBBER BASE |
| ADJ | ADJACENT | HDWR | HARDWARE | RCB | RESILIENT COVE BASE |
| AFF | ABOVE FINISH FLOOR | HGHT | HEIGHT | RCP | REINFORCED CONCRETE PIPE |
| AFS | ABOVE FINISH SLAB | HM | HOLLOW METAL | RD | ROOF DRAIN |
| ALT | ALTERNATE | HOR | HORIZONTAL | REF | REFERENCE |
| ALUM | ALUMINUM | HORIZ | HORIZONTAL | REINF | REINFORCING |
| ANOD | ANODIZED | HP | HEAT PUMP | REV | REVISION (S), REVISED |
| AP | ACCESS PANEL | HR | HAND RAIL | RG | RETURN REGISTER |
| APD | AIR PRESSURE DROP | HT | HEIGHT | RH | RIGHT HAND |
| ARCH | ARCHITECT (URAL) | HTG | HEATING | RM | ROOM |
| AT | ACOUSTICAL CEILING TILE | HVAC | HEATING/VENTILATING/ | RO | ROUGH OPENING |
| AUTO | AUTOMATIC | | AIR CONDITIONING | ROW | RIGHT OF WAY |
| AWC | ACRYLIC WALL COATING | | | RP | RESIN PANEL |
| AWP | ACOUSTICAL WALL PANEL | ID | INSIDE DIAMETER | RRD | RELIEF ROOF DRAIN |
| | | INCL | INCLUDE (D), (ING) | RWC | RIGID VINYL WALL COVERING |
| BD | BOARD | INS | INSULATE (D), (ION) | | |
| BDD | BACKDRAFT DAMPER | INSUL | INSULATION | S-___ | SINK |
| BLDG | BUILDING | INT | INTERIOR | S | SOUTH OR SOLID SURFACE |
| BLKG | BLOCKING | INV | INVERT | SA | SUPPLY AIR |
| BM | BENCH MARK | | | SC | SEALED CONCRETE |
| BO | BOTTOM OF... | JC | JANITOR'S CLOSET | SD | STORM DRAIN |
| BOM | BOTTOM OF MASONRY | JT | JOINT | SEC | SECTION |
| BOS | BOTTOM OF STEEL | | | SHT | SHEET |
| BOT | BOTTOM | KIT | KITCHEN | SIM | SIMILAR |
| BR | BRICK | | | SL | SLATE |
| | | L-___ | LAVATORY | SMC | SHEET METAL CONTRACTOR |
| C | CONCRETE | L | LENGTH (LONG) | SPEC | SPECIFICATION (S) |
| CAB | CABINET | LAM | LAMINATE (D) | SPKR | SPEAKER |
| CB | CATCH BASIN | LAT | LEAVING AIR TEMPERATURE | SQ | SQUARE |
| CFM | CUBIC FEET PER MINUTE | LAV | LAVATORY | SS | STAINLESS STEEL |
| CFT | CUBIC FOOT (C.F.) | LH | LEFT HAND | STA | STATION |
| CG | CORNER GUARD | LL | LIVE LOAD | STD | STANDARD |
| CJ | CONTROL JOINT | LT | LIGHT | STO | STORAGE |
| CL | CLOSET | LVR | LOUVER | STR | STRUCTURAL |
| CLG | CEILING | LVT | LUXURY VINYL TILE | SV | SHEET VINYL |
| CLR | CLEAR (ANCE) | LWT | LEAVING WATER TEMPERATURE | SYM | SYMMETRY (ICAL) |
| CMU | CONCRETE MASONRY UNIT | | | SYS | SYSTEM |
| CO | CLEANOUT | M | METER (S) | | |
| COL | COLUMN | MAS | MASONRY | T&G | TONGUE AND GROOVE |
| CONT | CONTINUOUS (CONTINUE) | MAT | MIXED AIR TEMPERATURE; OR | TB | TERMINAL BOX |
| CONST | CONSTRUCTION | | WALK-OFF MAT | TCC | TEMPERATURE CONTROL CONTRACTOR |
| CONTR | CONTRACT (OR) | MATL | MATERIALS | TCP | TEMPERATURE CONTROL PANEL |
| CPT | CARPET | MB-___ | MOP BASIN | TEL | TELEPHONE |
| CR | CHAIR RAIL | MBH | 1,000 BTU PER HOUR | THK | THICK (NESS) |
| CT | CERAMIC TILE | MBM | METAL BUILDING MANUFACTURER | TO | TOP OF... |
| CYD | CUBIC YARD (C.Y.) | MC | MECHANICAL CONTRACTOR | TOS | TOP OF STEEL/TOP OF SLAB |
| | | MD | MANUAL DAMPER | TOW | TOP OF WALL |
| DF | DRINKING FOUNTAIN | MECH | MECHANICAL | TS | TRANSITION STRIP |
| DIA | DIAMETER (DIA.) | MFR | MANUFACTURE (ER) | TSP | TOTAL STATIC PRESSURE |
| DIAG | DIAGONAL | MFGR | MANUFACTURING | TTB | TELEPHONE TERMINAL BOARD |
| DIM | DIMENSION | MH | MANHOLE | TV | TELEVISION |
| DIV | DIVISION | MIN | MINIMUM | TYP | TYPICAL |
| DR | DOOR | MISC | MISCELLANEOUS | | |
| DS | DOWNSPOUT | MM | MILLIMETER (S) | U-___ | URINAL |
| DTL | DETAIL | MO | MASONRY OPENING | UNO | UNLESS NOTED OTHERWISE |
| DWG | DRAWING | MOD | MOTOR OPERATED DAMPER | | |
| | | MT | MOUNT (ED), (ING) | VB | VAPOR BARRIER |
| E | EAST | MTL | METAL | VCP | VINYL COATED GYPSUM CEILING PANEL |
| EA | EACH | MTLS | METALS | VCT | VINYL COMPOSITE OR RES. TILE |
| EAL | EXHAUST AIR LOUVER | | | VERT | VERTICAL |
| EAT | ENTERING AIR TEMPERATURE | N | NORTH | VFD | VARIABLE FREQUENCY DRIVE |
| EC | ELECTRICAL CONTRACTOR | NIC | NOT IN CONTRACT | VT | VINYL TILE |
| EF | EACH FACE; OR EXHAUST FAN | NOM | NOMINAL | VTR | VENTED THRU ROOF |
| EG | EXHAUST GRILLE | NRC | NOISE REDUCTION COEFFICIENT | VWC | VINYL WALL COVERING |
| EJ | EXPANSION JOINT | NTS | NOT TO SCALE | | |
| EL | ELEVATION | | | W | WALL, WEST |
| ELEC | ELECTRIC (AL) | OA | OUTSIDE AIR | WC-___ | WATER CLOSET |
| ELEV | ELEVATOR | OAL | OUTSIDE AIR LOUVER | WD | WOOD |
| EMER | EMERGENCY | OC | ON CENTER (S) | WH | WATER HEATER |
| EPT | EPOXY PAINT | OD | OUTSIDE DIAMETER | WM | WIRE MESH |
| EQ | EQUAL | OH | OVERHEAD | WMV | WATER MIXING VALVE |
| EQUIP | EQUIPMENT | OJ | OPEN-WEB JOIST | WO | WITHOUT |
| ESP | EXTERNAL STATIC PRESSURE | OPG | OPENING | WPT | WORKING POINT |
| EWC | ELECTRIC WATER COOLER | OPH | OPPOSITE HAND | WS | WINDOW SHADES |
| EWT | ENTERING WATER TEMPERATURE | OPP | OPPOSITE | WSF | WELDED SEAM SHEET FLOORING |
| EXH | EXHAUST | | | WT | WALL TILE |
| EXIST | EXISTING | P | PAINT (ED) | WWF | WELDED WIRE FABRIC |
| EXP | EXPOSED | PCB | PORCELAIN COVE BASE | | |
| EXT | EXTERIOR | PCF | POUNDS PER CUBIC FOOT | | |
| | | PERF | PERFORATE (D) | | |
| F.C. | FORWARD CURVED FAN | PF | POURED FLOORING | | |
| FA | FIRE ALARM | PKG | PARKING | | |
| FAV | FIELD APPLIED VINYL | PLF | POUNDS PER LINEAL FOOT | | |
| FD | FIRE DAMPER | PL | PROPERTY LINE | | |
| FD-___ | FLOOR DRAIN | PLAM | PLASTIC LAMINATE | | |
| FDC | FIRE DEPARTMENT CONNECTION | PNL | PANEL | | |
| FDN | FOUNDATION | PNT | POINT | | |
| FE | FIRE EXTINGUISHER | PP | PORCELAIN PAVER(S) | | |
| FEC | FIRE EXTINGUISHER CABINET | PSF | POUNDS PER SQUARE FOOT | | |
| FF | FINISH FLOOR | PSI | POUNDS PER SQUARE INCH | | |
| FFE | FINISH FLOOR ELEVATION | PT | PORCELAIN TILE | | |
| FFL | FINISHED FLOOR LINE | PTD | PRESSURE TREATED | | |
| FIN | FINISH | PVC | POLYVINYL CHLORIDE | | |
| FLR | FLOOR (ING) | PVMT | PAVEMENT | | |
| FPC | FIRE PROTECTION CONTRACTOR | PWD | PLYWOOD | | |
| FPF | FINS PER FOOT | | | | |
| FTG | FOOTING | QT | QUARRY TILE | | |
| GA | GAGE, GAUGE | | | | |
| GALV | GALVANIZED | | | | |
| GC | GENERAL CONTRACT (OR) | | | | |
| GL | GLASS | | | | |
| GPM | GALLONS PER MINUTE | | | | |
| GWB | GYPSUM WALL BOARD | | | | |
| GYP | GYPSUM | | | | |

## LIST OF WORKING DRAWINGS



## ALTERNATES

GENERAL: ALL ALTERNATES ARE DEDUCTIVE FROM THE BASE BID, IF ACCEPTED.

ALTERNATE-1: STATE THE COMPLETE COST TO PROVIDE AND INSTALL LED LIGHTING IN THE BOILER ROOM AND PENTHOUSE, AS NOTED IN CONSTRUCTION DOCUMENTS.

ALTERNATE-2: STATE THE COMPLETE COST TO PROVIDE AND INSTALL A GAS-POWERED GENERATOR, AS NOTED IN CONSTRUCTION DOCUMENTS.

ALTERNATE-3: STATE THE COMPLETE COST, INCLUDING DEMO OF OLD PIN TUBE HEATER UNITS, TO PROVIDE AND INSTALL CEILING MOUTNED UNIT HEATERS IN THE BOYS AND GIRLS RESTROOMS.

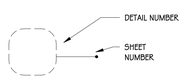
ALTERNATE-4: STATE THE COMPLETE COST TO PROVIDE AND INSTALL ALL AIR HANDLING UNITS, VAVS AND RELATED EQUIPMENT SHOWN FOR FULL SCOPE OF REPLACEMENT AFFECTING AHU-1.

ALTERNATE-5: STATE THE COMPLETE COST TO PROVIDE AND INSTALL ALL AIR HANDLING UNITS, VAVS AND RELATED EQUIPMENT SHOWN FOR FULL SCOPE OF REPLACEMENT AFFECTING AHU-1. THE SCHEDULE FOR THIS AREA WILL EXTEND BEYOND JULY 24, 2026 AND WILL BE PHASED (2) CLASSROOMS AT A TIME UNTIL COMPLETE, UP TO THE SUBSTANTIAL COMPLETION DATE.

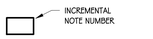
ALTERNATE-6: AFFECTING AHU-1, AHU-2 AND AHU-3: THE TEMPERATURE CONTROL CONTRACTOR SHALL INCLUDE IN THEIR BASE BID REPLACEMENT OF THE EXISTING VFD UNITS. THE TEMPERATURE CONTROLS CONTRACTOR SHALL STATE THE COMPLETE COST TO DEDUCT THE THREE VFDS TO REMAIN IN PLACE AND TO BE RELISED. THE CONTRACTOR SHALL INCLUDE IN THIS COST THE VFD IN THE BOILER ROOM THAT WAS REPLACED IN 2021, PER ADDENDUM 02 ITEM M-2.11.

ALTERNATE-7: AFFECTING AHU-7, AND NOTED ON SHEET M1.2, CONTRACTOR SHALL STATE THE COMPLETE COST TO DEDUCT THE REPLACEMENT UNIT CHW CONTROL VALVE (REUSING EXISTING CONTROL VALVE).

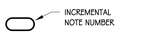
## GRAPHIC SYMBOLS LEGEND



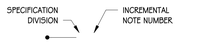

DETAIL BUBBLE:
IDENTIFIES THE LOCATION OF THE ENLARGED DETAIL FOR THE AREA INDICATED WITHIN THE WORKING DRAWINGS SET



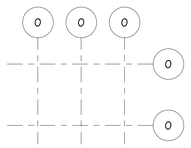

DEMOLITION TAG:
IDENTIFIES DEMOLITION WORK & EXISTING ITEMS TO REMAIN ON PLANS & ELEVATIONS




CONSTRUCTION TAG:
IDENTIFIES PROPOSED WORK ON FLOOR PLANS & ELEVATIONS

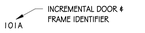



SECTION/ DETAIL TAG:
IDENTIFIES PROPOSED WORK, BROKEN DOWN BY SPECIFICATION DIVISION, ON WALL SECTIONS & DETAILS




STRUCTURAL GRID LINES (PROPOSED)
IDENTIFIES THE PROPOSED STRUCTURAL GRID

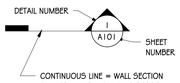

PARTITION TAG:
IDENTIFIES PARTITION TYPES AS DESCRIBED IN THE PROJECT "PARTITION TYPE LEGEND"




DOOR TAG:
IDENTIFIES DOOR & FRAME TYPES AS DESCRIBED IN THE PROJECT "DOOR & HARDWARE SCHEDULE"


ELEVATION TARGET:
IDENTIFIES THE VERTICAL ELEVATION OF THE ITEM INDICATED


WINDOW/ FRAME TAG:
IDENTIFIES WINDOW OR FRAME TYPES. ALPHABETICAL TYPICALLY INDICATES HOLLOW METAL; NUMERICAL TYPICALLY INDICATES ALUMINUM




WALL SECTION TAG:
IDENTIFIES THE LOCATION OF THE WALL SECTION INDICATED WITHIN THE WORKING DRAWINGS SET

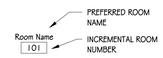

ELEVATION TAG:
IDENTIFIES THE LOCATION OF THE ELEVATION INDICATED WITHIN THE WORKING DRAWINGS SET


PLAN TITLE & NO. ARROW:
IDENTIFIES THE PLAN NAME, NUMBER, SCALE, & ORIENTATION ON THE SITE


DETAIL TITLE:
IDENTIFIES THE NAME, NUMBER, & SCALE OF THE DETAIL


BAR SCALE:
IDENTIFIES THE SCALE OF THE DRAWING


REVISION TAG/ CLOUD:
CHANGES ON ALL WORKING DRAWINGS




ROOM NAME/ NO. TAG:
IDENTIFIES ROOM NAME & NUMBER AS DESCRIBED IN THE PROJECT "ROOM FINISH SCHEDULE"

## DESIGN & CONSTRUCTION TEAM

ARCHITECT / INTERIOR DESIGN / ELECTRICAL ENGINEER:
VIRIDIAN ARCHITECTURAL DESIGN INC.
6435 WEST JEFFERSON BLVD. #144
FORT WAYNE, INDIANA 46804
P: 260-450-7299
WWW.VIRIDIAN-DESIGN.NET

MECHANICAL ENGINEER:
SCO ENGINEERING, LLC
6534 CONSTITUTION DRIVE
FORT WAYNE, INDIANA 46805
P. 260-438-9213
SCOFW@SCO-LLC.COM

ELECTRICAL ENGINEER:
C-H-I ENGINEERING, INC.
133 I-3 DOLCETTO CV
FORT WAYNE, INDIANA 46845
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CHIENGINEERING@FRONTIER.COM

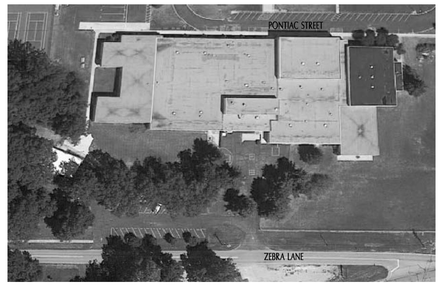
VIRIDIAN
ARCHITECTURAL DESIGN INC.

SCO ENGINEERING, LLC
SOLUTIONS PROVIDED • PROBLEMS SOLVED

C·H·I ENGINEERING
ENGINEERING CONSULTING

### PROJECT LOCATION

650 ZEBRA LANE
ROCHESTER, IN




PROJECT LOCATION
SCALE: NOT TO SCALE
NORTH


VIRIDIAN
ARCHITECTURAL DESIGN INC.

6435 West Jefferson Blvd.
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Fort Wayne, Indiana 46804
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CERTIFICATION

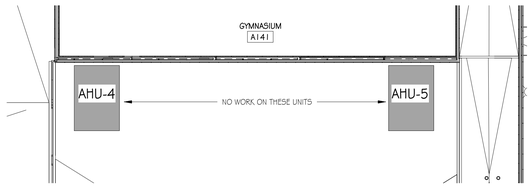
TERRY W. THORNSBURY
REGISTERED
No.10800036
STATE OF INDIANA
ARCHITECT



RCSC Middle School
HVAC Replacement
650 Zebra Lane
Rochester, IN

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| 1 | 01-12-2026 | ADDENDUM 002 |
| 2 | 1-13-2026 | ADDENDUM 003 |

DATE: 12/22/25
PROJECT: 20250008
TITLE: COVER SHEET
SHEET: G0.0




## 4 ROOF PLAN BY GYM - UNIT B
SCALE: 1/16" = 1'-0"

PHASING ORDER

1 AHU 2
2 AHU 3
3 AHU 6

ALTERNATE DEDUCT 4

4 AHU 7

ALTERNATE DEDUCT 5

5 AHU 1

GENERAL NOTES:

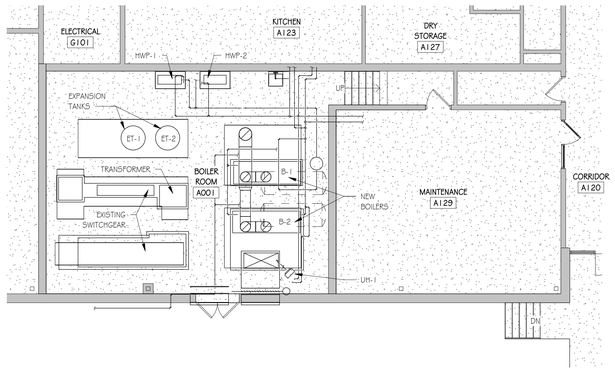
A. THE OWNER EXPECTS THE CONTRACTOR TO CREATE A SCHEDULE OF WORK TO COMPLETE ALL WORK FOR THE PROJECT DURING THE SCHOOL'S SUMMER BREAK (TO THE GREATEST EXTENT FEASIBLE); EVEN MAKING USE OF DOUBLE SHIFTS, AS NEEDED. IF THE REALISTIC SCHEDULE DOES NOT PERMIT THIS WORK TO BE COMPLETED OVER THE SUMMER, THE PRIORITY ORDER OF PHASING FOR REPLACEMENT OF VAV'S AND OTHER EQUIPMENT (DISRUPTING CLASSROOM AREAS) SHALL FOLLOW THE ORDER OF THE ADJACENT COLORED LEGEND, FROM TOP TO BOTTOM.

B. COORDINATE WITH THE OWNER ON TEMPORARY RELOCATION OF CLASSROOMS TO ALLOW WORK IN VACANT CLASSROOMS. PROTECT ALL EXISTING SCHOOL FURNITURE AND EQUIPMENT TO REMAIN IN THE ROOM. THE CONTRACTOR CAN SCHEDULE WORK FOR TWO CLASSROOMS AT A TIME UNTIL COMPLETE.

C. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MAN POWER TO COMPLETE WORK IN A TIMELY MANNER.

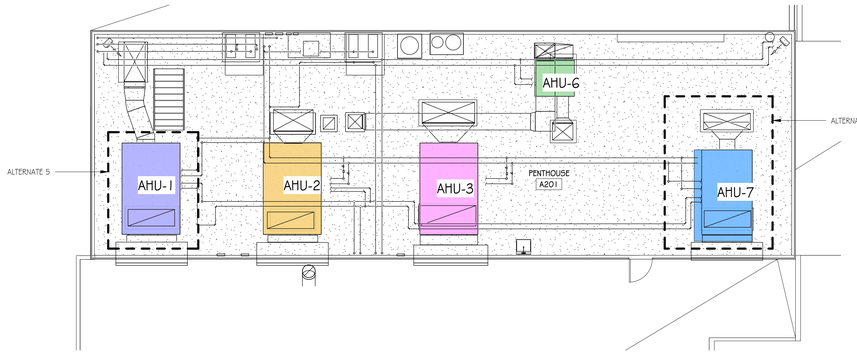
D. WORK IN THE PENTHOUSE AND BOILER ROOM SHALL OCCUR PARALLEL AND TANDEM TO EACH OTHER AS WORK PERMITS AND AS MAN POWER ALLOWS; AVOID THE USE OF LINEAR SEQUENCE, SINGLE FOCUS TASKS, AND ENDEAVOR TO PROCEED WITH WORK IN AN EFFICIENT MANNER.

E. MECHANICAL AHU'S SERVING THE BUILDING WILL MAINTAIN THEIR EXISTING ZONING, AS WELL AS THEIR RESPECTIVE INDIVIDUAL ROOMS AFFECTED BY TEMPERATURE CONTROL DEVICES. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.



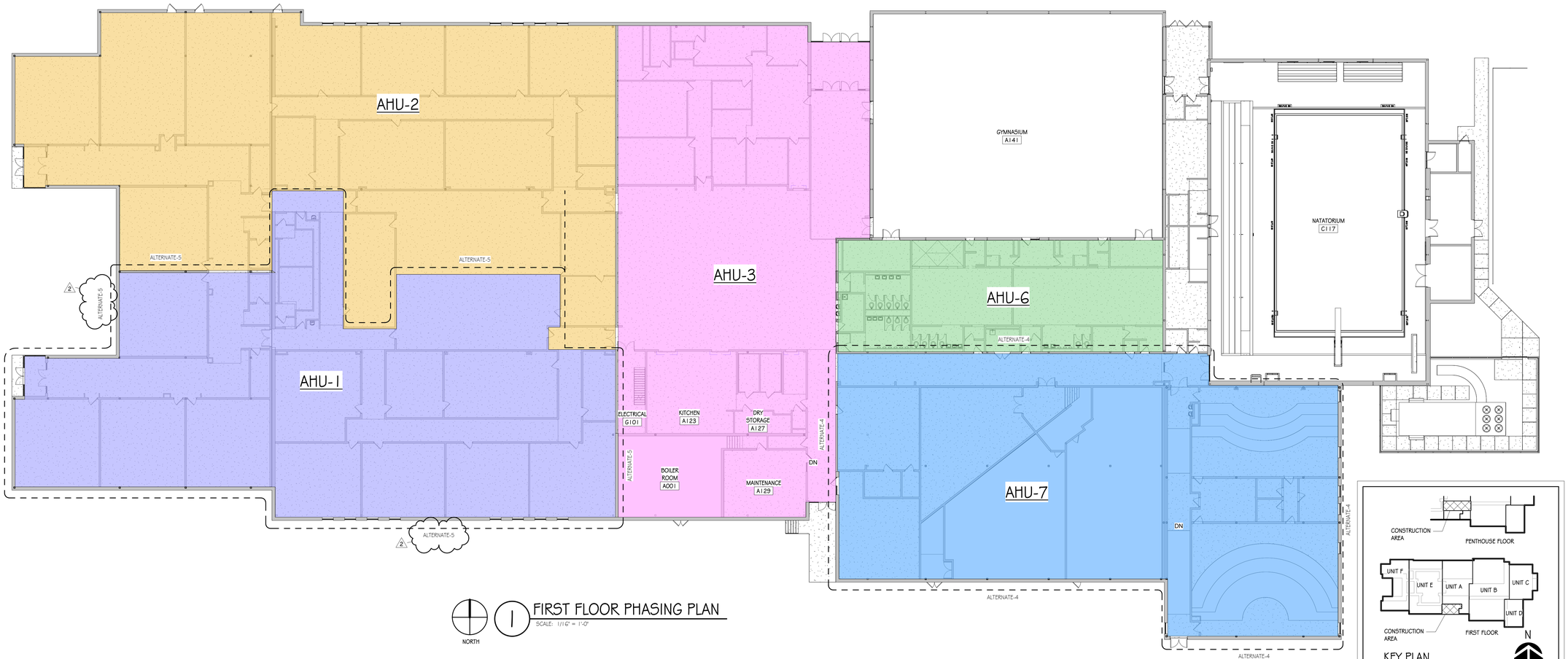

## 3 BOILER ROOM PLAN
SCALE: 1/8" = 1'-0"

NORTH



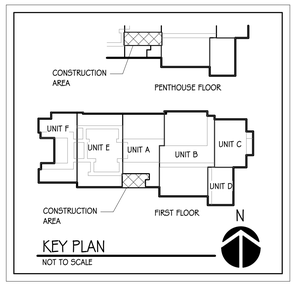

## 2 PENTHOUSE PLAN
SCALE: 1/8" = 1'-0"

NORTH




## 1 FIRST FLOOR PHASING PLAN
SCALE: 1/16" = 1'-0"

NORTH




NOTE:
CONTRACTOR TO PROTECT ALL INTERIOR AND EXTERIOR BUILDING COMPONENTS AND FINISHES THROUGHOUT THE DURATION OF CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, WALLS, FLOORS, DOORS, ROOF, SIDEWALKS, ASPHALT, GREEN SPACES, LANDSCAPING, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ALL DAMAGED SURFACES AND ITEMS PRIOR TO COMPLETION OF CONSTRUCTION.

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Fort Wayne, Indiana 46804
Ph: 260-450-7299
www.viridian-design.net

CERTIFICATION

TERRY W. THORNSBURY REGISTERED No.10800038 STATE OF INDIANA ARCHITECT



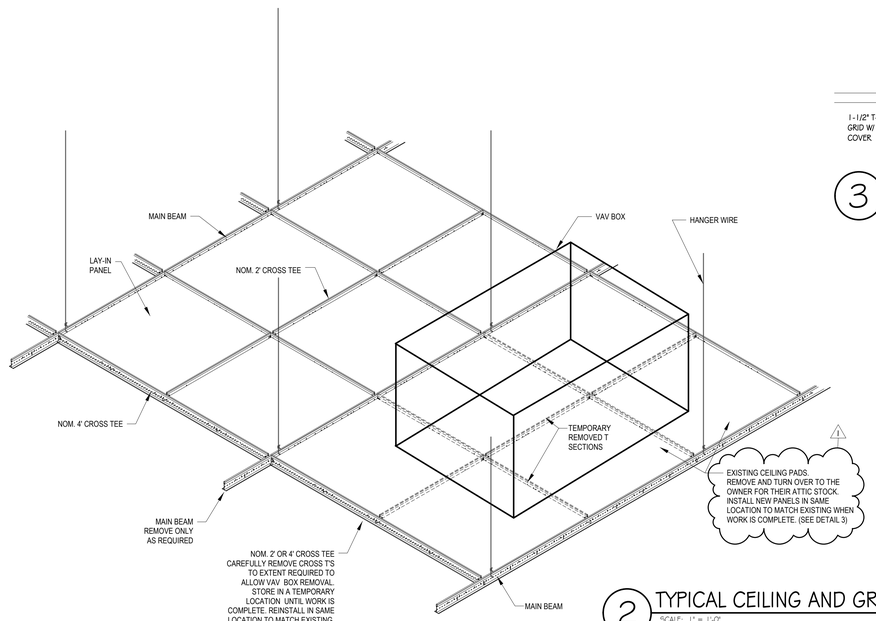
# RCSC Middle School
## HVAC Replacement
650 Zebra Lane
Rochester, IN

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| 1 | 01-12-2026 | ADDENDUM 002 |
| 2 | 1-13-2026 | ADDENDUM 003 |

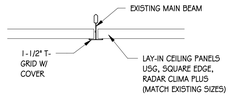
DATE: 12/22/25
PROJECT: 20250008

TITLE
PHASING PLAN

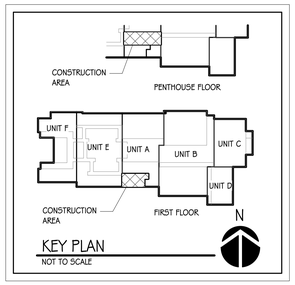
SHEET
G1.0




## 2 TYPICAL CEILING AND GRID
SCALE: 1" = 1'-0"




## 3 CEILING DETAIL
SCALE: 3" = 1'-0"




## LEGEND

- NUMBER OF CEILING PANELS SHOWN FOR REMOVAL TO ACCESS VAV BOX LOCATIONS APPROX. 48 SF AT EACH LOCATION (SEE MECH DWGS)
- CEILING UNIT HEATER LOCATIONS (SEE MECH DWGS)

## GENERAL DEMOLITION NOTES

THESE NOTES APPLY TO ALL DEMOLITION DRAWINGS AND TO ALL CONTRACTORS AND / OR SUBCONTRACTORS THAT WORK WITHIN THE BUILDING.

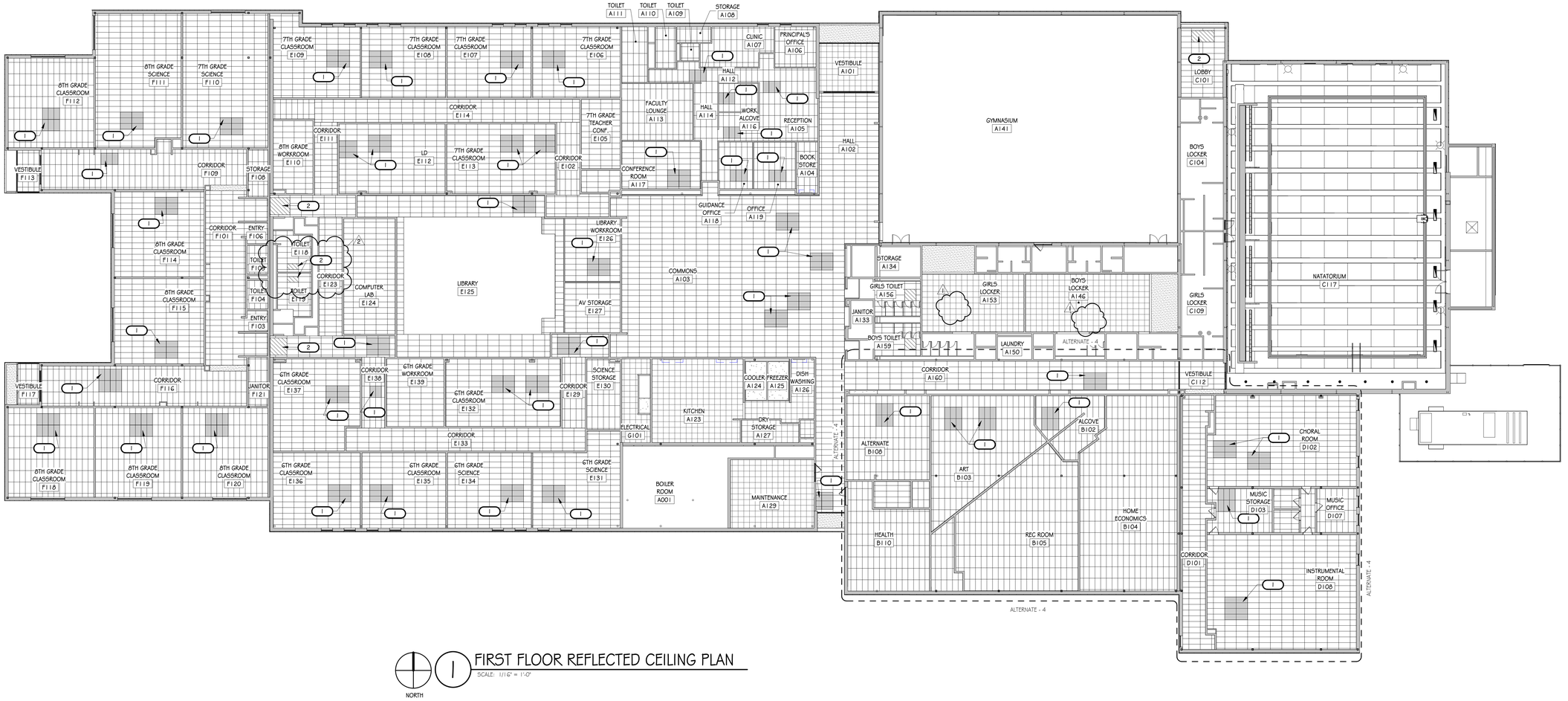
1. ALL MATERIALS INDICATED AS DASHED ARE TO BE REMOVED. THIS INCLUDES ALL FINISHES AND MATERIALS NOT SPECIFICALLY CALLED OUT BUT PERTAINING TO THE INTENDED SCOPE. CONTRACTOR TO COORDINATE ALL ASSOCIATED WORK BETWEEN ALL TRADES.
2. CONTRACTORS SHALL BE RESPONSIBLE FOR VISITING THE SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THESE DEMOLITION SHEETS SHALL SERVE TO AID THE CONTRACTOR IN THE EVALUATION OF THE EXTENT OF DEMOLITION: BUT SHALL NOT BE HELD TO BE ALL INCLUSIVE.
3. CONTRACTORS SHALL FIELD INSPECT ALL DEMOLITION WORK PRIOR TO REMOVAL, TO ENSURE SUCH REMOVAL DOES NOT IMPAIR STRUCTURAL INTEGRITY OF THE EXISTING BUILDING. IF THE INSPECTION INDICATES THAT THE STRUCTURAL INTEGRITY MAY BE COMPROMISED, NOTIFY THE ARCHITECT / ENGINEER IMMEDIATELY.
4. ALL CONSTRUCTION AREAS AND ASSOCIATED WORK AREAS SHALL BE KEPT CLEAN BY THE CONTRACTOR – DAILY.
5. CONTRACTOR TO ENSURE NO DEMOLITION DEBRIS IS LEFT ON SITE (WOODS, DRIVEWAY, OR COUNTY ROADS) PRIOR TO COMPLETING ALL DEMOLITION WORK.

## GENERAL CONSTRUCTION NOTES

1. DIMENSIONS ARE FROM CORNER TO CORNER OF OPENING, OR TO FACE OF WALL UNLESS NOTED OTHERWISE.
2. CONTRACTOR TO COORDINATE ALL WORK BETWEEN TRADES, INCLUDING BETWEEN FINISH CONTRACTOR AND ELECTRICAL, ON ALL LIGHT FIXTURES, WIRING, AND FINISHES.
3. CONTRACTOR TO PROVIDE ALL RELATED FASTENERS, TRIM AND ACCESSORIES FOR INSTALL PRODUCTS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
4. ALL CONTRACTORS ARE RESPONSIBLE FOR CLEANING SITE TO THE BEST OF THEIR ABILITIES AT THE END OF EACH WORK DAY.
5. ALL CONTRACTORS ARE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THEM DURING THE CONSTRUCTION PROCESS. IN THE EVENT OF ANY DAMAGES CONTRACTOR IS TO CONTACT THE OWNER IMMEDIATELY PRIOR TO THE END OF THE DAY OF CONSTRUCTION.

## REFLECTED CEILING PLAN NOTES

1. REMOVE EXISTING CEILING PANELS AND TURN OVER TO THE OWNER FOR THEIR ATTIC STOCK. PROVIDE NEW CEILING PANELS WITH SIZES TO MATCH EXISTING. MAINTAIN MAIN BEAMS TO EXTENT POSSIBLE. CAREFULLY REMOVE CROSS TS AND STORE IN A TEMPORARY LOCATION. REINSTALL T BARS AND PANELS IN THE SAME LOCATION AFTER MECHANICAL WORK IS COMPLETE. SEE DETAIL 2 & 3. SEE MECHANICAL AND ELECTRICAL DWGS. FOR ADDITIONAL INFORMATION.
2. REMOVE CEILING PANELS AND T BARS PER NOTE 1, BUT PREPARE FOR UNIT HEATERS. SEE MECHANICAL DWGS FOR ADDITIONAL INFORMATION.




## 1 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/16" = 1'-0"

NORTH

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CERTIFICATION

TERRY W. THORNSBURY REGISTERED No.10800038 STATE OF INDIANA ARCHITECT



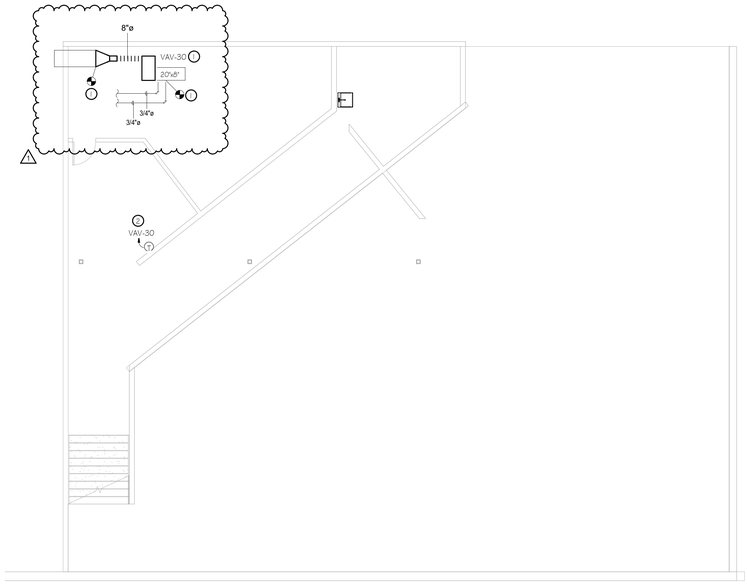
# RCSC Middle School
HVAC Replacement
650 Zebra Lane
Rochester, IN

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| 1 | 01-12-2026 | ADDENDUM 002 |
| 2 | 1-13-2026 | ADDENDUM 003 |

DATE 12/22/25
PROJECT 20250008

TITLE
FIRST FLOOR REFLECTED CEILING PLAN

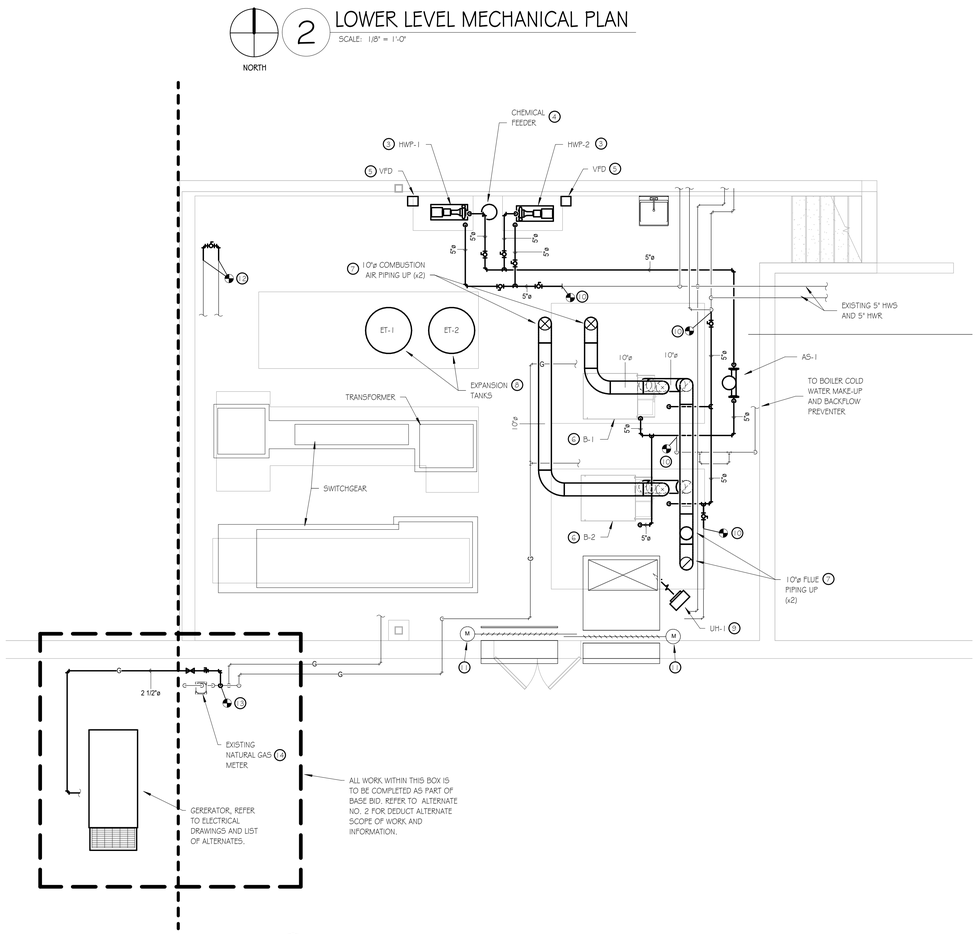
SHEET
A9.1




## 2 LOWER LEVEL MECHANICAL PLAN

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

NORTH




## 1 LOWER LEVEL MECHANICAL BOILER ROOM PLAN

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

NORTH

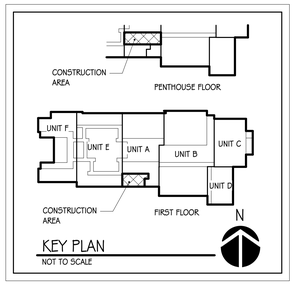
## MECHANICAL PLAN NOTES

- ALL SCOPES OF WORK WITHIN 'M' SERIES OF DRAWINGS, ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THIS SCOPE OF WORK WITH ALL OTHER TRADES AND GENERAL CONTRACTOR/CONSTRUCTION MANAGER.

1. CONTRACTOR SHALL PROVIDE AND INSTALL NEW FAN POWERED VAV BOX IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED BOX. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED COMPONENTS, WIRING, DUCTWORK, CONTROLS, AND ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. TIE-IN AND CONNECT TO EXISTING HOT WATER SUPPLY AND HOT WATER RETURN PIPING. MECHANICAL CONTRACTOR SHALL MODIFY AND EXTEND THE EXISTING SHEETMETAL DUCTWORK AS REQUIRED TO INSTALL THE NEW VAV BOX. PROVIDE AN ADDITIONAL 5'-0" LINEAR FOOT OF DUCTWORK, AND RE-CONNECT TO THE EXISTING DUCTWORK, AND EXTEND THE DUCTWORK AS REQUIRED FOR THE INSTALLATION OF THE VAV IN THE LOCATION AS SHOWN. PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN DUCTWORK AS REQUIRED. ROUTE HYDRONIC PIPING TO UNIT PER 2-WAY OR 3-WAY PIPING DETAIL ON SHEET M5.1, REFER TO SERIES FAN POWERED VARIABLE AIR VOLUME BOX SCHEDULE FOR VALVE REQUIREMENT.
2. PROVIDE AND INSTALL NEW DDC TEMPERATURE SENSOR/THERMOSTAT TO BE INSTALLED WITHIN THE SAME LOCATION AS THE PREVIOUSLY REMOVED THERMOSTAT. THE NEW SENSOR SHALL BE INSTALLED WITHIN THE EXISTING WALL BOX AND THE NEW CONTROL WIRING SHALL BE ROUTED DOWN THE WALL WITHIN THE EXISTING CONDUIT FOR CONNECTION TO THE NEW SENSOR. TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONTROL WIRING, RELAYS, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS/WIRING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
3. PROVIDE AND INSTALL NEW HYDRONIC HOT WATER PUMPS ON EXISTING HOUSEKEEPING PAD IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED PUMPS. CONTRACTOR SHALL BE RESPONSIBLE TO ELARGE HOUSEKEEPING PAD AS REQUIRED FOR INSTALLATION. REFER TO HOT WATER FLOW DIAGRAM SHEET M5.3 FOR PIPING LAYOUT, ADDITIONAL REQUIREMENTS, AND ADDITIONAL INFORMATION FOR PIPING AND MECHANICAL UNITS WITHIN THIS AREA.
4. PROVIDE AND INSTALL A NEW SIDE STREAM FILTER AND AUTOMATIC CHEMICAL FEEDER WITH 2 VALVE BYPASS AND DRAIN TO BE INSTALLED IN THE HYDRONIC HOT WATER CLOSED LOOP SYSTEM. FILTER FEEDER IS TO BE A NEPTURE FTF-50B WITH CORROSION COUPON RACK IN THE RECIRCULATING LINES. THE CONNECTION TO THE FILTER FEEDER SHALL BE OFF THE MAIN SUPPLY AND RETURN HEADER SO THAT THERE IS A CONSTANT FLOW THROUGH THE FILER FEEDER REGARDLESS OF WHICH PUMP IS RUNNING. REFER TO THE HOT WATER FLOW DIAGRAM ON SHEET M5.3. CONTRACTOR SHALL BE RESPONSIBLE TO ELARGE HOUSEKEEPING PAD AS REQUIRED FOR INSTALLATION.
5. TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL NEW VARIABLE-SPEED DRIVES FOR BASE-MOUNTED PUMPS COMPLETE FOR A FULLY FUNCTIONING SYSTEM. COORDINATE INSTALLATION LOCATION WITH MANUFACTURER'S CLEARANCES AND PROVIDE AND INSTALL VFD ON METAL UNI-STRUT STAND SEPERATE FROM UNIT.
6. PROVIDE AND INSTALL NEW CONDENSING BOILER ON EXISTING HOUSEKEEPING PAD AND INCLUDING ALL PIPING, CONTROLS, WIRING, COMBUSTION AIR & FLUE PIPING, AND ALL ACCESSORIES FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL CLEAN AND PURGE ALL EXISTING HYDRONIC WATER PIPING PRIOR TO INSTALLATION OF NEW BOILERS TO ENSURE THAT THE EXISTING HYDRONIC WATER PIPING IS FREE OF ANY CONTAMINATES. TIE-IN AND CONNECT NEW GAS PIPING FROM THE EXISTING GAS MAIN AND ROUTE FOR CONNECTION TO THE BOILER. PROVIDE AND INSTALL NEW GAS PRESSURE REGULATOR AND GAS COCK VALVE, AND PIPE UNION AT CONNECTION TO UNIT. BOILERS ARE TO BE PROVIDED WITH CARBON MONOXIDE SENSORS AND EMERGENCY BOILER SHUT OFF VALVES WITH PUSH BUTTONS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND INSTALLATION REQUIREMENTS FOR PUSH BUTTONS. PROVIDE ALL WORKING CLEARANCES PER MANUFACTURERS INSTALLATION REQUIREMENTS. REFER TO THE HOT WATER FLOW DIAGRAM ON SHEET M5.3 FOR ADDITIONAL PIPING REQUIREMENTS AND INFORMATION.
7. ROUTE 10"Ø PVC COMBUSTION AIR AND 10"Ø AL29-4C FLUE DUCT FROM BOILERS AND ROUTE AS SHOWN. ROUTE COMBUSTION AIR AND FLUE PIPE UP THROUGH ROOF AS SHOWN AND TERMINATE WITH MANUFACTURER RECOMENDED TERMINATION CAP. PROVIDE ALL REQUIRED SPOOL PIECES REQUIRED FOR ROUTING UP THROUGH THE ROOF. REUSE AND MODIFY EXISTING ROOF OPENING FOR COMBUSTION AIR PIPING. MAINTAIN ALL REQUIRED CLEARANCES FROM OUTDOOR INTAKES PER THE INTERNATIONAL MECHANICAL CODE.
8. PROVIDE AND INSTALL HOT WATER EXPANSION TANKS ON EXISTING HOUSEKEEPING PAD. REFER TO HOT WATER FLOW DIAGRAM FOR PIPING REQUIREMENTS AND ADDITIONAL INFORMATION.
9. PROVIDE AND INSTALL NEW CEILING HUNG UNIT HEATER TO BE INSTALLED IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED UNIT. TIE-IN AND CONNECT TO EXISTING HOT WATER SUPPLY AND HOT WATER RETURN PIPING. ROUTE HYDRONIC PIPING TO UNIT PER 2-WAY OR 3-WAY PIPING DETAIL ON SHEET M5.1.
10. TIE-IN AND CONNECT NEW HYDRONIC HOT WATER SUPPLY AND HOT WATER RETURN PIPING TO THE EXISTING HYDRONIC WATER PIPING IN LOCATION AS SHOWN. PROVIDE AND INSTALL ALL OFFSETS AND TRANSITIONS IN PIPING AS REQUIRED FOR CONNECTION.
11. PROVIDE AND INSTALL A NEW MODULATING DAMPER AND ELECTRONIC DAMPER ACTUATOR TO THE EXISTING OUTSIDE AIR DUCTWORK THAT IS TO REMAIN. PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL CONTROL WIRING, RELAYS, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
12. TIE-IN AND CONNECT NEW DOMESTIC COLD WATER PIPING TO THE EXISTING COLD WATER PIPING IN LOCATION AS SHOWN. PROVIDE AND INSTALL ALL VALVES, OFFSETS, AND FITTINGS IN PIPING AS REQUIRED FOR CONNECTION FOR UNRESTRICTED FLOW WITHIN THE SYSTEM.
13. TIE IN AND CONNECT NEW 2-1/2"ø, SCHEDULE 40 STEEL GAS PIPING TO EXISTING EXTERIOR GAS PIPE HEADER LOCATED ON THE SOUTH SIDE OF BUILDING AND ROUTE FOR CONNECTION TO NEW NATURAL GAS GENERATOR. PROVIDE AND INSTALL GAS COCK SHUT OFF VALVE AND A SERVICE TYPE REGULATOR TO REDUCE THE INCOMING GAS PRESSURE TO 1.0"W.C. GAS PRESSURE AND SURFACE MOUNT THE GAS PIPING TO THE BUILDING AND ROUTE FOR CONNECTION TO THE NEW GENERATOR. EXTERIOR PIPING SHALL BE SURFACE MOUNTED WITH STAINLESS STEEL STAND-OFFS AND HARDWARE. CONTRACTOR SHALL CLEAN, PRIME, AND PAINT ALL EXPOSED EXTERIOR NATURAL GAS PIPING AND HANGERS WITH RUST INHIBITING PAINT. ARCHITECT TO SELECT COLOR. COORDINATE PIPING ROUTING WITH EXISTING BUILDING STRUCTURE, EXISTING UTILITIES, AND ALL TRADES PRIOR TO THE INITIATION OF ANY WORK.
14. CONTRACTOR SHALL COORDINATE WITH GAS UTILITIES TO PROVIDE NEW NATURAL GAS METER AS REQUIRED BASED ON THE ADDITIONAL NATURAL GAS REQUIREMENTS FOR THE NEW EQUIPMENT TO BE ADDED TO THE EXISTING SYSTEM AS PART OF THIS PROJECT. IF THE EXISTING METER IS TO BE UPGRADED, INSTALL NEW GAS METER AND CONNECTING PIPING. COORDINATE WORK WITH GAS UTILITY FOR SHUTDOWN AND TO PROVIDE A NEW METER AND SERVICE REGULATOR AS REQUIRED FOR NEW CALCULATED EQUIPMENT LOAD. TOTAL CALCULATED ADDITIONAL CONNECTED LOAD OF NEW EQUIPMENT FOR THE RENOVATIONS IS 446 CFH. INCLUDE ALL ASSOCIATED COSTS TO REPLACE CURRENT PRESSURE REGULATORS AND METER AS REQUIRED FOR NEW GAS LOAD REQUIREMENTS AND INCLUDE ALL ASSOCIATED FEES FROM GAS UTILITIES IN BID. GAS UTILITIES TO PROVIDE PRESSURE REDUCING VALVE, METER, AND CONNECT TO EXISTING NATURAL GAS SERVICE.

IT IS THE INTENT OF THIS PROJECT THAT THE MECHANICAL CONTRACTOR SHALL REMOVE THE EXSITING CEILING GRID AND CEILING TILES AS REQUIRED FOR THE REMOVAL AND REINSTALLATION OF NEW WORK. ONCE ALL THE WORK IS COMPLETE, THE CONTRACTOR SHALL REINSTALL THE PREVIOUSLY REMOVED CEILING GRID AND TILES TO MATCH THE SURROUNDING AREAS. IF ANY OF THE GRID OR TILES IS DAMAGED DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL NEW GRIDTILES. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

IT IS THE INTENT OF THIS PROJECT THAT ALL NEW HVAC EQUIPMENT SHALL BE PROVIDED WITH NEW DDC CONTROLS COMPLETE, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER/CHILLED WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.




KEY PLAN
NOT TO SCALE

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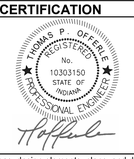
CERTIFICATION



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# RCSC Middle School
## HVAC Replacement
690 Zebra Lane
Rochester, IN

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| 1 | 01-12-26 | Addendum 03 |

DATE: 12/22/25
PROJECT: 20250008

TITLE: LOWER LEVEL MECHANICAL PLAN

SHEET: M1.0

one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
three eighths inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot

# MECHANICAL PLAN NOTES

- ALL SCOPES OF WORK WITHIN 'M' SERIES OF DRAWINGS, ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THIS SCOPE OF WORK WITH ALL OTHER TRADES AND GENERAL CONTRACTOR/CONSTRUCTION MANAGER.

1. CONTRACTOR SHALL PROVIDE AND INSTALL NEW FAN POWERED VAV BOX IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED BOX. PROVIDE AND INSTALL A PERMANENTLY AFFIXED EQUIPMENT LABLE TO THE CEILING GRID TO IDENTIFY THE LOCATION OF THE UNIT, COORDINATE INSTALLATION LOCATION OF THE LABEL WITH THE OWNER PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED COMPONENTS, WIRING, DUCTWORK, CONTROLS, AND ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. TIE-IN AND CONNECT TO EXISTING HOT WATER SUPPLY AND HOT WATER RETURN PIPING. MECHANICAL CONTRACTOR SHALL MODIFY AND EXTEND THE EXISTING SHEETMETAL DUCTWORK AS REQUIRED TO INSTALL THE NEW VAV BOX. PROVIDE AN ADDITIONAL 5'-0" LINEAR FOOT OF DUCTWORK AND RE-CONNECT TO THE EXISTING DUCTWORK AND EXTEND THE DUCTWORK AS REQUIRED FOR THE INSTALLATION OF THE VAV IN THE LOCATION AS SHOWN. PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN DUCTWORK AS REQUIRED. ROUTE HYDRONIC PIPING TO UNIT PER 2-WAY OR 3-WAY PIPING DETAIL ON SHEET M5.1, REFER TO SERIES FAN POWERED VARIABLE AIR VOLUME BOX SCHEDULE FOR VALVE REQUIREMENT.
2. PROVIDE AND INSTALL NEW DDC TEMPERATURE SENSOR/THERMOSTAT TO BE INSTALLED WITHIN THE SAME LOCATION AS THE PREVIOUSLY REMOVED THERMOSTAT. THE NEW SENSOR SHALL BE INSTALLED WITHIN THE EXISTING WALL BOX AND THE NEW CONTROL WIRING SHALL BE ROUTED DOWN THE WALL WITHIN THE EXISTING CONDUIT FOR CONNECTION TO THE NEW SENSOR. TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONTROL WIRING, RELAYS, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS/WIRING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
3. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CABINET UNIT HEATER IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED HEATER. TIE-IN AND CONNECT NEW HYDRONIC HOT WATER SUPPLY AND RETURN PIPING TO THE EXISTING PIPING WITHIN THE WALL AND MAKE CONNECTIONS TO THE HEATER. PROVIDE AND INSTALL ALL NEW VALVES, COMPONENTS, ACCESSORIES AND NEW TEMPERATURE CONTROL VALVES FOR A COMPLETE AND FUNCTIONING SYSTEM. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN PIPING AS REQUIRED FOR CONNECTION TO UNIT. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO CUT AND NOTCH EXISTING WALL AS REQUIRED FOR INSTALLTION OF HEATER AND ALL COMPONENTS. CONTRACTOR SHALL PATCH THE EXISTING WALL AS REQUIRED TO MATCH THE SURROUNDING CONDITIONS AND PROVIDE A FULLY SEALED WALL CONDITION. REFER TO UNIT HEATER 4 CABINET UNIT HEATER 2-WAY VALVE CONTROL PIPING DETAIL FOR ADDITIONAL INFORMATION.
4. CONTRACTOR SHALL PROVIDE AND INSTALL NEW FIN TUBE RADIATOR IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED HEATER. TIE-IN AND CONNECT NEW HYDRONIC HOT WATER SUPPLY AND RETURN PIPING TO THE EXISTING PIPING WITHIN THE WALL AND MAKE CONNECTIONS TO THE HEATER. PROVIDE AND INSTALL ALL NEW VALVES, COMPONENTS, ACCESSORIES AND NEW TEMPERATURE CONTROL VALVES FOR A COMPLETE AND FUNCTIONING SYSTEM. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN PIPING AS REQUIRED FOR CONNECTION TO UNIT. CONTRACTOR SHALL FIELD MEASURE AND VERIFY THE EXACT LENGTH OF FIN TUBE AND ENCLOSURE THAT IS REQUIRED TO BE INSTALLED IN THE LOCATION SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO CUT AND NOTCH EXISTING WALL AS REQUIRED FOR INSTALLTION OF HEATER AND ALL COMPONENTS. CONTRACTOR SHALL PATCH THE EXISTING WALL AS REQUIRED TO MATCH THE SURROUNDING CONDITIONS AND PROVIDE A FULLY SEALED WALL CONDITION. REFER TO UNIT HEATER 4 CABINET UNIT HEATER 2-WAY VALVE CONTROL PIPING DETAIL FOR ADDITIONAL INFORMATION.
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6. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CEILING HUNG CABINET UNIT HEATER IN THE SUSPENDED ACOUSTICAL CEILING GRID IN LOCATION SHOWN. CONTRACTOR SHALL VERIFY FINAL INSTALLATION LOCATION OF THE NEW HEATER WITH THE EXISTING LIGHTING FIXTURES THAT ARE TO REMAIN. HEATER IS TO BE INSTALLED IN A LOCATION THAT DOES NOT REQUIRE THE LIGHTS TO BE RELOCATED. MODIFY AND TIE-IN NEW HYDRONIC HOT WATER SUPPLY AND RETURN PIPING TO THE EXISTING PIPING ABOVE THE CEILING AND MAKE CONNECTIONS TO THE HEATER. ALL EXISTING PIPING WITHIN THE WALL THAT WAS PREVIOUSLY CONNECTED TO THE REMOVED FIN TUBE IS TO BE CAPPED AND ABANDONED IN PLACE. PROVIDE AND INSTALL ALL NEW VALVES, COMPONENTS, ACCESSORIES AND NEW TEMPERATURE CONTROL VALVES FOR A COMPLETE AND FUNCTIONING SYSTEM. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN PIPING AS REQUIRED FOR CONNECTION TO UNIT. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO CUT AND NOTCH THE EXISTING WALL AS REQUIRED FOR REMOVAL OF THE FIN TUBE HEATER AND ALL COMPONENTS. CONTRACTOR SHALL PATCH THE EXISTING WALL AS WITH FULL CMU BLOCK AS REQUIRED TO MATCH THE SURROUNDING CONDITIONS AND PROVIDE A FULLY SEALED WALL CONDITION. REFER TO UNIT HEATER 4 CABINET UNIT HEATER 2-WAY VALVE CONTROL PIPING DETAIL FOR ADDITIONAL INFORMATION.

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ALL WORK WITHIN THIS BOX IS TO BE COMPLETED AS PART OF BASE BID. REFER TO ALTERNATE NO. 3 FOR DEDUCT ALTERNATE SCOPE OF WORK AND INFORMATION.

ALL WORK WITHIN THIS BOX IS TO BE COMPLETED AS PART OF BASE BID. REFER TO ALTERNATE NO. 5 FOR DEDUCT ALTERNATE SCOPE OF WORK AND INFORMATION.

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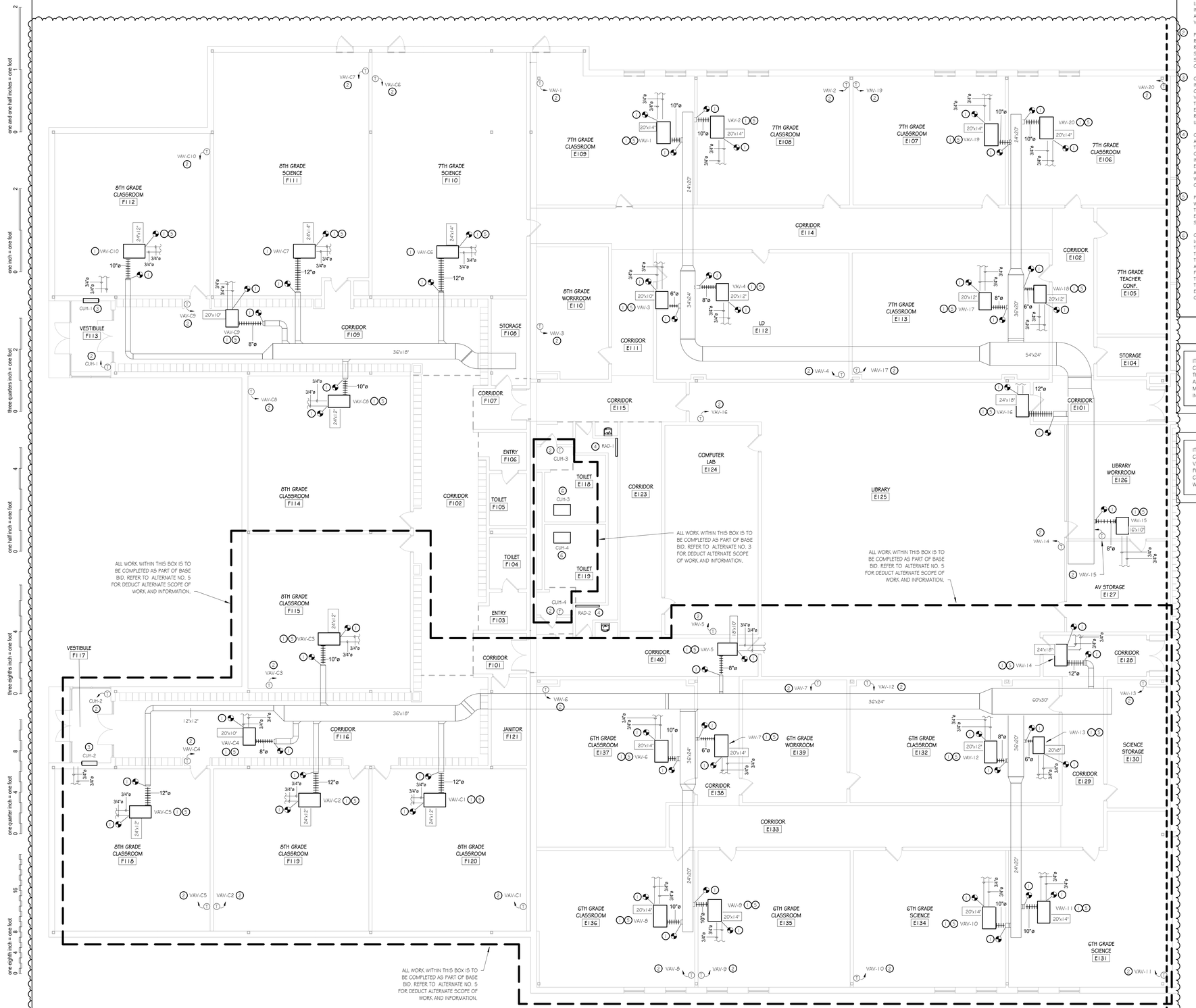
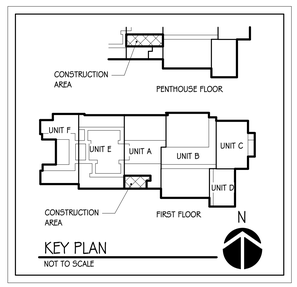



1 FIRST FLOOR MECHANICAL PLAN - UNIT A
SCALE: 1/8" = 1'-0"

NORTH





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## CERTIFICATION

THOMAS P. OFFERLE REGISTERED No. 10303150 STATE OF INDIANA PROFESSIONAL ENGINEER




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# RCSC Middle School

HVAC Replacement
690 Zebra Lane
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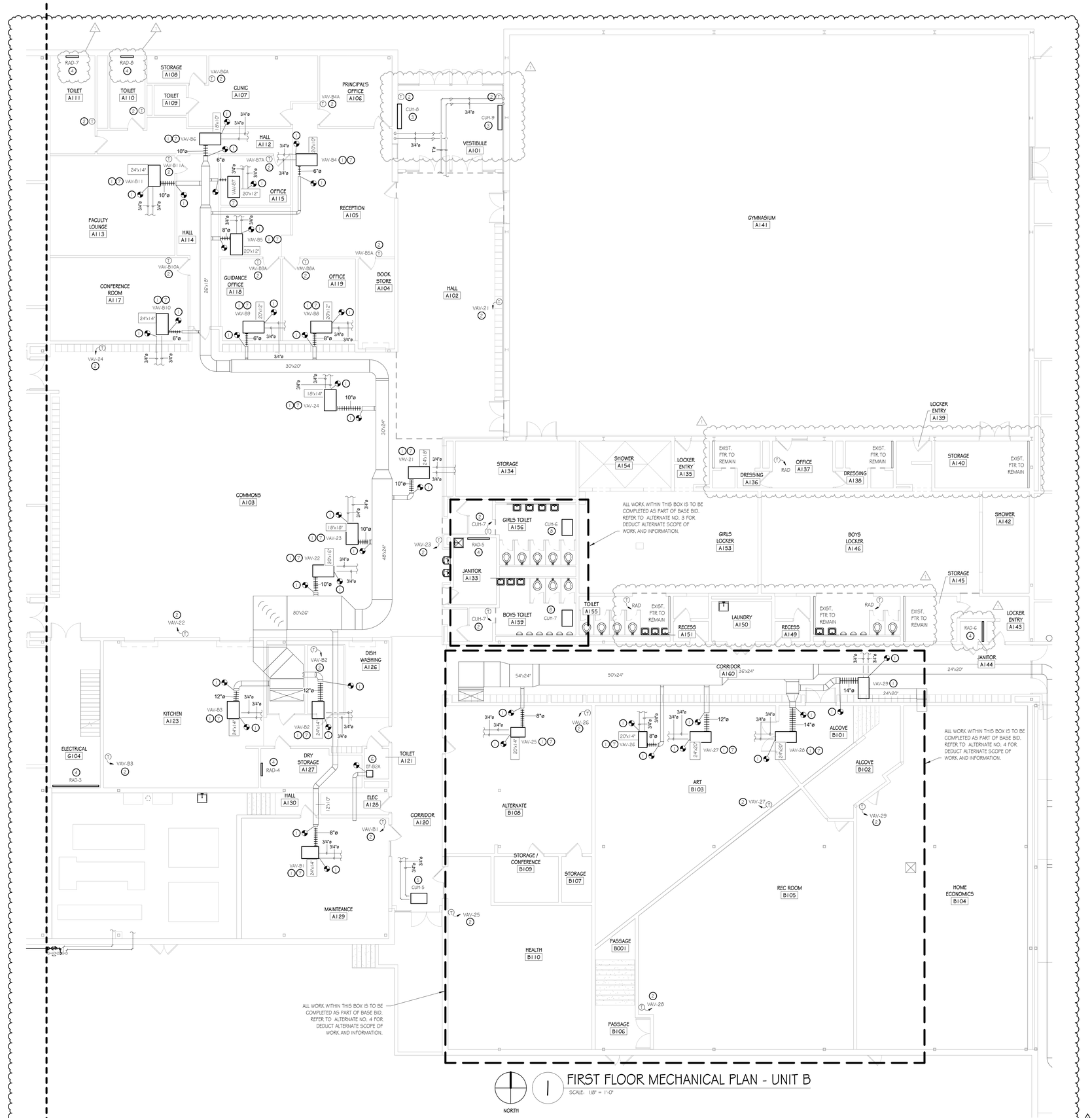
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| 1 | 01-12-26 | Addendum 03 |

**DATE** 12/22/25
**PROJECT** 20250008

TITLE
FIRST FLOOR MECHANICAL PLAN - UNIT A

SHEET
M1.1A




1 FIRST FLOOR MECHANICAL PLAN - UNIT B

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

## MECHANICAL PLAN NOTES

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6. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CEILING MOUNTED EXHAUST FAN TO BE INSTALLED IN TEH SAME LOCATION AS THE PREVIOUSLY REMOVED FAN. TIE-IN AND CONNECT EXISTING EXHAUST DUCTWORK TO THE NEW FAN. PROVIDE AND INSTALL ALL HANGERS/SUPPORTS, WIRING, TRANSITIONS AND FITTINGS WITHIN THE DUCTWORK FOR A COMPLETE AND FUNCTIONING SYSTEM. EXHAUST FAN IS TO BE INTERLOCKED TO THE EXISTING LIGHT SWITCH IN THE ROOM FOR FAN OPERATION.
7. PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER/CHILLED WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES TO THE NEW AIR HANDLING UNIT THAT AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
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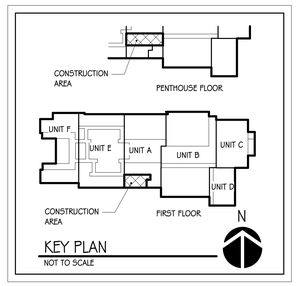


KEY PLAN

NOT TO SCALE

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### CERTIFICATION

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# RCSC Middle School

HVAC Replacement
690 Zebra Lane
Rochester, IN

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| 1 | 01-12-26 | Addendum 02 |
| 2 | 01-12-26 | Addendum 03 |

**DATE** 12/22/25

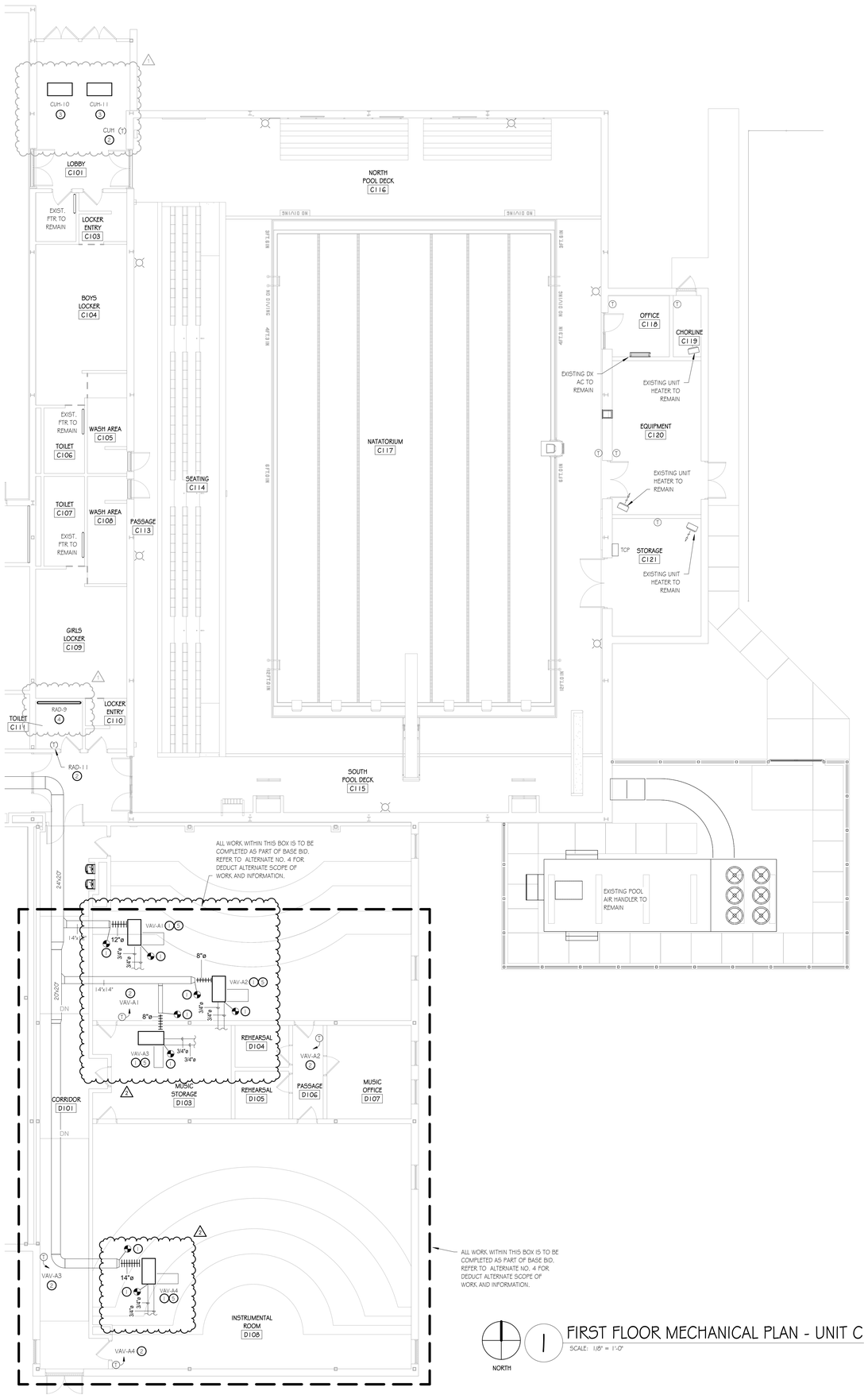
**PROJECT** 20250008

**TITLE**

FIRST FLOOR MECHANICAL PLAN - UNIT B

**SHEET**

M1.1B




## FIRST FLOOR MECHANICAL PLAN - UNIT C

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

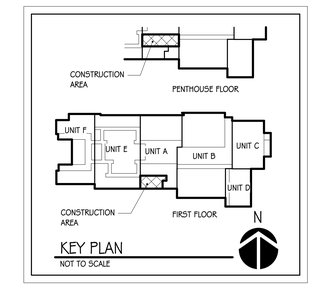
## MECHANICAL PLAN NOTES

- ALL SCOPES OF WORK WITHIN 'M' SERIES OF DRAWINGS, ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THIS SCOPE OF WORK WITH ALL OTHER TRADES AND GENERAL CONTRACTOR/CONSTRUCTION MANAGER.

1. CONTRACTOR SHALL PROVIDE AND INSTALL NEW FAN POWERED VAV BOX IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED BOX. PROVIDE AND INSTALL A PERMANENTLY AFFIXED EQUIPMENT LABLE TO THE CEILING GRID TO IDENTIFY THE LOCATION OF THE UNIT, COORDINATE INSTALLATION LOCATION OF THE LABEL WITH THE OWNER PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED COMPONENTS, WIRING, DUCTWORK, CONTROLS, AND ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. TIE-IN AND CONNECT TO EXISTING HOT WATER SUPPLY AND HOT WATER RETURN PIPING. MECHANICAL CONTRACTOR SHALL MODIFY AND EXTEND THE EXISTING SHEETMETAL DUCTWORK AS REQUIRED TO INSTALL THE NEW VAV BOX. PROVIDE AN ADDITIONAL 5'-0" LINEAR FOOT OF DUCTWORK AND RE-CONNECT TO THE EXISTING DUCTWORK AND EXTEND THE DUCTWORK AS REQUIRED FOR THE INSTALLATION OF THE VAV IN THE LOCATION AS SHOWN. PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN DUCTWORK AS REQUIRED. ROUTE HYDRONIC PIPING TO UNIT PER 2-WAY OR 3-WAY PIPING DETAIL ON SHEET M5.1, REFER TO SERIES FAN POWERED VARIABLE AIR VOLUME BOX SCHEDULE FOR VALVE REQUIREMENT.
2. PROVIDE AND INSTALL NEW DDC TEMPERATURE SENSOR/THERMOSTAT TO BE INSTALLED WITHIN THE SAME LOCATION AS THE PREVIOUSLY REMOVED THERMOSTAT. THE NEW SENSOR SHALL BE INSTALLED WITHIN THE EXISTING WALL BOX AND THE NEW CONTROL WIRING SHALL BE ROUTED DOWN THE WALL WITHIN THE EXISTING CONDUIT FOR CONNECTION TO THE NEW SENSOR. TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONTROL WIRING, RELAYS, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS/WIRING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
3. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CEILING HUNG CABINET UNIT HEATER IN THE SUSPENDED ACOUSTICAL CEILING GRID AS SHOWN. MODIFY AND TIE-IN NEW HYDRONIC HOT WATER SUPPLY AND RETURN PIPING TO THE EXISTING PIPING ABOVE THE CEILING AND MAKE CONNECTIONS TO THE HEATER. PROVIDE AND INSTALL ALL NEW VALVES, COMPONENTS, ACCESSORIES AND NEW TEMPERATURE CONTROL VALVES FOR A COMPLETE AND FUNCTIONING SYSTEM. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN PIPING AS REQUIRED FOR CONNECTION TO UNIT. REFER TO UNIT HEATER 4 CABINET UNIT HEATER 2-WAY VALVE CONTROL PIPING DETAIL FOR ADDITIONAL INFORMATION.
4. CONTRACTOR SHALL PROVIDE AND INSTALL NEW FIN TUBE RADIATOR IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED HEATER. TIE-IN AND CONNECT NEW HYDRONIC HOT WATER SUPPLY AND RETURN PIPING TO THE EXISTING PIPING WITHIN THE WALL AND MAKE CONNECTIONS TO THE HEATER. PROVIDE AND INSTALL ALL NEW VALVES, COMPONENTS, ACCESSORIES AND NEW TEMPERATURE CONTROL VALVES FOR A COMPLETE AND FUNCTIONING SYSTEM. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN PIPING AS REQUIRED FOR CONNECTION TO UNIT. CONTRACTOR SHALL FIELD MEASURE AND VERIFY THE EXACT LENGTH OF FIN TUBE AND ENCLOSURE THAT IS REQUIRED TO BE INSTALLED IN THE LOCATION SHOWN. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO CUT AND NOTCH EXISTING WALL AS REQUIRED FOR INSTALLTION OF HEATER AND ALL COMPONENTS. CONTRACTOR SHALL PATCH THE EXISTING WALL AS REQUIRED TO MATCH THE SURROUNDING CONDITIONS AND PROVIDE A FULLY SEALED WALL CONDITION. REFER TO UNIT HEATER 4 CABINET UNIT HEATER 2-WAY VALVE CONTROL PIPING DETAIL FOR ADDITIONAL INFORMATION.
5. PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER/CHILLED WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES TO THE NEW AIR HANDLING UNIT THAT AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.

IT IS THE INTENT OF THIS PROJECT THAT THE MECHANICAL CONTRACTOR SHALL REMOVE THE EXISITING CEILING GRID AND CEILING TILES AS REQUIRED FOR THE REMOVAL AND REINSTALLATION OF NEW WORK. ONCE ALL THE WORK IS COMPLETE, THE CONTRACTOR SHALL REINSTALL THE PREVIOUSLY REMOVED CEILING GRID AND TILES TO MATCH THE SURROUNDING AREAS. IF ANY OF THE GRID OR TILES IS DAMAGED DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL NEW GRID/TILES. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

IT IS THE INTENT OF THIS PROJECT THAT ALL NEW HVAC EQUIPMENT SHALL BE PROVIDED WITH NEW DDC CONTROLS COMPLETE, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER/CHILLED WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.

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## CERTIFICATION

THOMAS P. OFFERLE REGISTERED No. 10303150 STATE OF INDIANA PROFESSIONAL ENGINEER



SCO ENGINEERING, LLC
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(260) 432-5481 fax
scofw@sco-llc.com



# RCSC Middle School

HVAC Replacement
690 Zebra Lane
Rochester, IN

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| 1 | 01-12-26 | Addendum 02 |
| 2 | 01-12-26 | Addendum 03 |

**DATE** 12/22/25

**PROJECT** 20250008

**TITLE**
FIRST FLOOR MECHANICAL PLAN - UNIT C

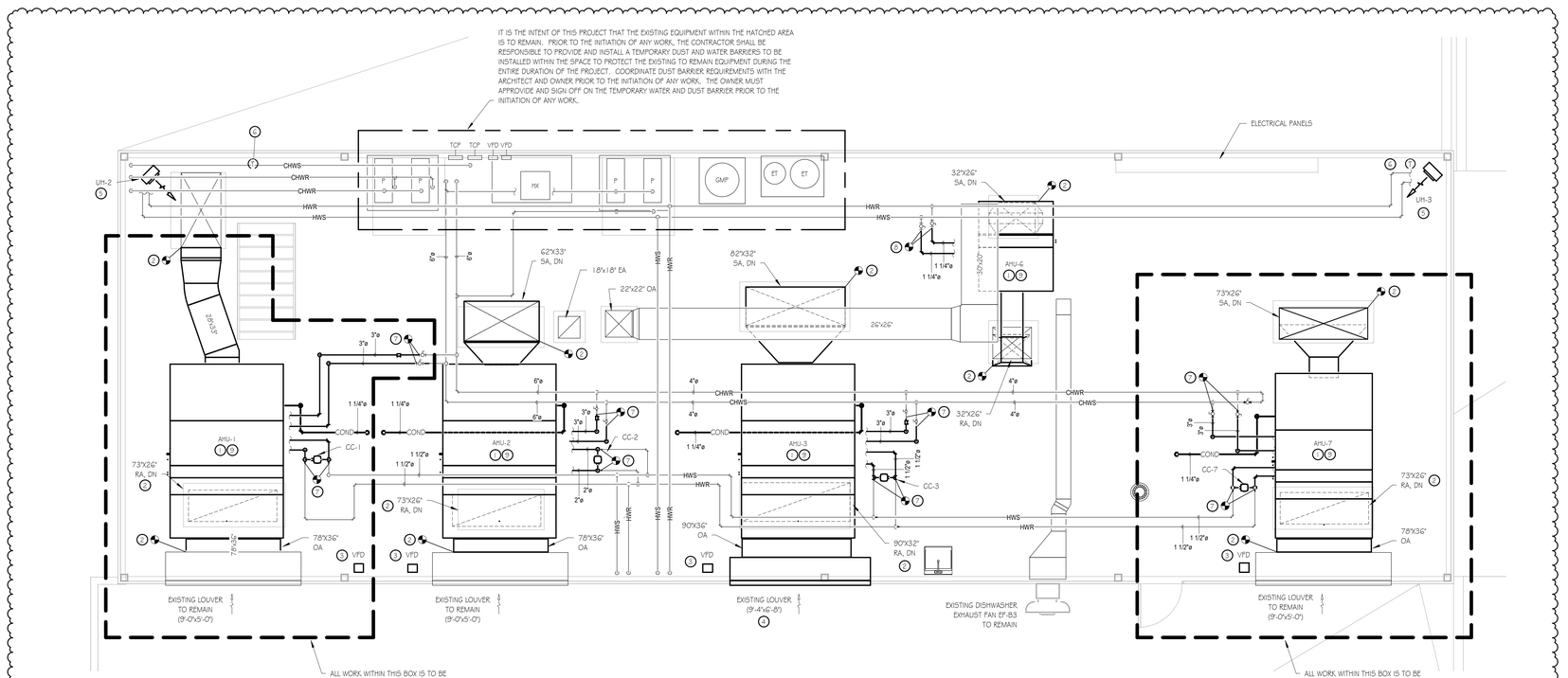
**SHEET**
M1.1C

## MECHANICAL PLAN NOTES

- ALL SCOPES OF WORK WITHIN 'M' SERIES OF DRAWINGS, ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THIS SCOPE OF WORK WITH ALL OTHER TRADES AND GENERAL CONTRACTOR/CONSTRUCTION MANAGER.

1. PROVIDE AND INSTALL NEW AIR HANDLING UNIT THAT IS TO BE INSTALLED IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED UNIT. AIR HANDLER IS TO BE SET ON EXISTING STEEL STAND, CONTRACTOR SHALL MODIFY AND EXTEND THE EXISTING STRUCTURE AS REQUIRED FOR THE INSTALLATION OF THE UNIT. CONTRACTOR SHALL RE-CONNECT ALL SUPPLY AND RETURN AIR DUCTWORK, HYDRONIC CHILLED WATER AND HOT WATER HEAT PIPING, CONDENSATE DRAIN PIPING AND ALL ASSOCIATED ACCESSORIES FOR A COMPLETE AND FUNCTIONING SYSTEM. TRANSITION SUPPLY AND RETURN DUCTS AS REQUIRED DOWN TO NEW AIR HANDLER. MAINTAIN MANUFACTURER REQUIRED CLEARANCE FOR SERVICE ACCESS AND PROPER PERFORMANCE. COORDINATE EXACT LOCATION WITH ALL TRADES.
2. TIE-IN AND CONNECT NEW SUPPLY AIR, RETURN AIR, AND OUTSIDE AIR DUCTWORK THAT IS ROUTED FROM THE NEW AIR HANDLING UNIT AND MAKE FINAL CONNECTIONS TO THE EXISTING DUCTWORK THAT IS ROUTED DOWN THROUGH THE MEZZANINE FLOOR AS SHOWN. MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRANSITIONS AND OFFSETS IN THE DUCTWORK AS REQUIRED FOR CONNECTION TO THE AIR HANDLING UNIT.
3. TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL NEW VARIABLE-SPEED DRIVES FOR AIR HANDLING UNITS COMPLETE FOR A FULLY FUNCTIONING SYSTEM. COORDINATE INSTALLATION LOCATION WITH MANUFACTURER'S CLEARANCES AND PROVIDE AND INSTALL VFD ON METAL UNI-STRUT STAND SEPARATE FROM UNIT.
4. AFTER ALL THE NEW EQUIPMENT HAS BEEN BROUGHT INTO THE MEZZANINE THROUGH THE EXISTING LOUVER OPENING, THE CONTRACTOR SHALL CAREFULLY RE-INSTALL THE PREVIOUSLY REMOVED LOUVER. PROVIDE AND INSTALL BACKER ROD AND NON-SHRINKING CAULK AROUND THE PERIMETER OF THE LOUVER FOR A WEATHER TIGHT INSTALLATION. CAULKING SHALL BE INSTALLED TO PREVENT THE INFILTRATION OF OUTDOOR AIR INTO THE BUILDING ENVELOPE. ARCHITECT TO SELECT COLOR OF CAULKING.
5. PROVIDE AND INSTALL NEW CEILING HUNG UNIT HEATER TO BE INSTALLED IN THE SAME LOCATION AS THE PREVIOUSLY REMOVED UNIT. TIE-IN AND CONNECT TO EXISTING HOT WATER SUPPLY AND HOT WATER RETURN PIPING. ROUTE HYDRONIC PIPING TO UNIT PER 2-WAY OR 3-WAY PIPING DETAIL ON SHEET M5.1.
6. PROVIDE AND INSTALL NEW DDC TEMPERATURE SENSOR/THERMOSTAT, MOTOR STARTER, DISCONNECT SWITCH, AND FAN SPEED SELECTOR TO BE INSTALLED WITHIN THE SAME LOCATION AS THE PREVIOUSLY REMOVED. THE NEW SENSOR SHALL BE INSTALLED WITHIN THE EXISTING WALL BOX AND THE NEW CONTROL WIRING SHALL BE ROUTED DOWN THE WALL WITHIN THE EXISTING CONDUIT FOR CONNECTION TO THE NEW SENSOR. TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONTROL WIRING, RELAYS, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS/WIRING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.
7. TIE-IN AND CONNECT NEW HYDRONIC CHILLED WATER SUPPLY, CHILLED WATER RETURN, HOT WATER SUPPLY, AND HOT WATER RETURN PIPING TO THE EXISTING PIPING AND ROUTE FOR CONNECTION TO THE NEW AIR HANDLING UNITS. PROVIDE AND INSTALL ALL NEW FLOW CONTROL, CONTROL VALVES, CIRCULATING PUMP, AND ALL REQUIRED ACCESSORIES FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN THE PIPING AS REQUIRED FOR ROUTING AND INSTALLATION. FIELD VERIFY THE EXACT ROUTE AND LOCATION OF PIPING WITH EXISTING STRUCTURE AND EQUIPMENT. REFER TO AIR HANDLER 2-WAY MODULATING VALVE COOLING & HEATING COIL & CIRCULATION PUMP DETAIL FOR ADDITIONAL PIPING REQUIREMENTS AND INFORMATION.
8. TIE-IN AND CONNECT NEW HYDRONIC HOT WATER SUPPLY, AND HOT WATER RETURN PIPING TO THE EXISTING PIPING AND ROUTE FOR CONNECTION TO THE NEW AIR HANDLING UNITS. PROVIDE AND INSTALL ALL NEW FLOW CONTROL, CONTROL VALVES, AND ALL REQUIRED ACCESSORIES FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY OFFSETS AND TRANSITIONS IN THE PIPING AS REQUIRED FOR ROUTING AND INSTALLATION. FIELD VERIFY THE EXACT ROUTE AND LOCATION OF PIPING WITH EXISTING STRUCTURE AND EQUIPMENT. REFER TO AIR HANDLER 2-WAY MODULATING VALVE COOLING & HEATING COIL DETAIL FOR ADDITIONAL PIPING REQUIREMENTS AND INFORMATION.
9. PROVIDE AND INSTALL NEW DDC CONTROLS, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER/CHILLED WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES TO THE NEW AIR HANDLING UNIT THAT AS REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.

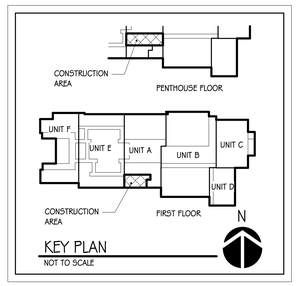
IT IS THE INTENT OF THIS PROJECT THAT ALL NEW HVAC EQUIPMENT SHALL BE PROVIDED WITH NEW DDC CONTROLS COMPLETE, INCLUDING ALL NEW ELECTRONIC DAMPER ACTUATORS, ELECTRONIC HOT WATER/CHILLED WATER CONTROL VALVES, NEW FREEZE STAT, SENSORS, CONTROL WIRING, RELAYS, AND ACCESSORIES REQUIRED FOR A COMPLETE AND FUNCTIONING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL ELECTRICAL POWER, COMPONENTS/WIRING AND PROGRAMMING AS REQUIRED TO CONNECT THE SYSTEM FOR A FULLY FUNCTIONING SYSTEM. WIRING SHALL BE INSTALLED PER THE CURRENT INDIANA NEC CODE.




NORTH

1 PENTHOUSE MECHANICAL PLAN

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





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# RCSC Middle School
## HVAC Replacement
690 Zebra Lane
Rochester, IN

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| 1 | 01-12-26 | Addendum 02 |

**DATE** 12/12/25
**PROJECT** 20250008

**TITLE**
PENTHOUSE MECHANICAL PLAN

**SHEET**
M1.2