

# **Invitation to Bid**

**June 26, 2024**

Regional School District #14 is soliciting bids for the following project:

## **Reheat Coils for Air Handler Units at Nonnewaug High School**

Regional School District #14 is seeking bids for installation, wiring, control, ductwork and piping of re-heat coils on five (5) air handler units at Nonnewaug High School.

Specifications for this project are located on the District Website @ [www.ctreg14.org](http://www.ctreg14.org) under "Board of Education>Bids."

Bids will be received by Mike Molzon at RSD #14 Central Office, 5 Minortown Road, Woodbury, CT 06798-0469, until 9:00 a.m. on July 25, 2024 at which time they will be publicly opened and read aloud. Any bid received after the scheduled closing time for the receipt of bids will be returned to the bidder unopened. Questions can be directed to Mike Molzon (203) 263-4330.

A mandatory pre-bid walk through of the project will be held on July 11, 2024 at 9am at the site, starting at the Region 14 Central office located at Nonnewaug High School, 5 Minortown Road, Woodbury, CT 06798. All five air handler units will be visited and the installation explained. No bids will be considered unless bidders have attended the pre-bid walk through and have signed the attendance list.

Region #14, after review of all factors, including the terms and conditions, qualifications and price, reserves the right to accept or reject any and all bids, or any part thereof. Region 14 also may waive defects in the same, or accept any proposal, or combination of proposals, deemed to be in the best interest of the Region. All bids must completely filled out when submitted. Bids must be firm for a period of sixty (60) days following the opening. Bid withdrawal may be made only with the consent of Region 14. Bids faxed or electronically mailed are not acceptable.

Regional School District #14 is not responsible for the delays in the delivery of the mail by the United States Postal Service, private couriers, or the interschool mail system. It is the sole responsibility of the vendor to insure that its proposal reaches the appropriate destination prior to the required date and time.

# **SPECIFICATIONS FOR REHEAT COILS FOR AIRHANDLER UNITS**

## **NONNEWAUG HIGH SCHOOL**

**June 26, 2024**

Region 14 is soliciting bids for the installation, wiring, control, ductwork, and piping of re-heat coils on five (5) air handler units as shown on the accompanying plans and specifications for DOA/AHU 1-5. The contractor will be responsible to remove existing ductwork, fabricate new transition ductwork to accommodate the re-heat coils. The contractor shall also install coils, piping, electric and building management controls to allow for a minimum of 70 Degree F air temperature entering the occupied space. Disposal of all removed ductwork and construction waste is the contractor's responsibility.

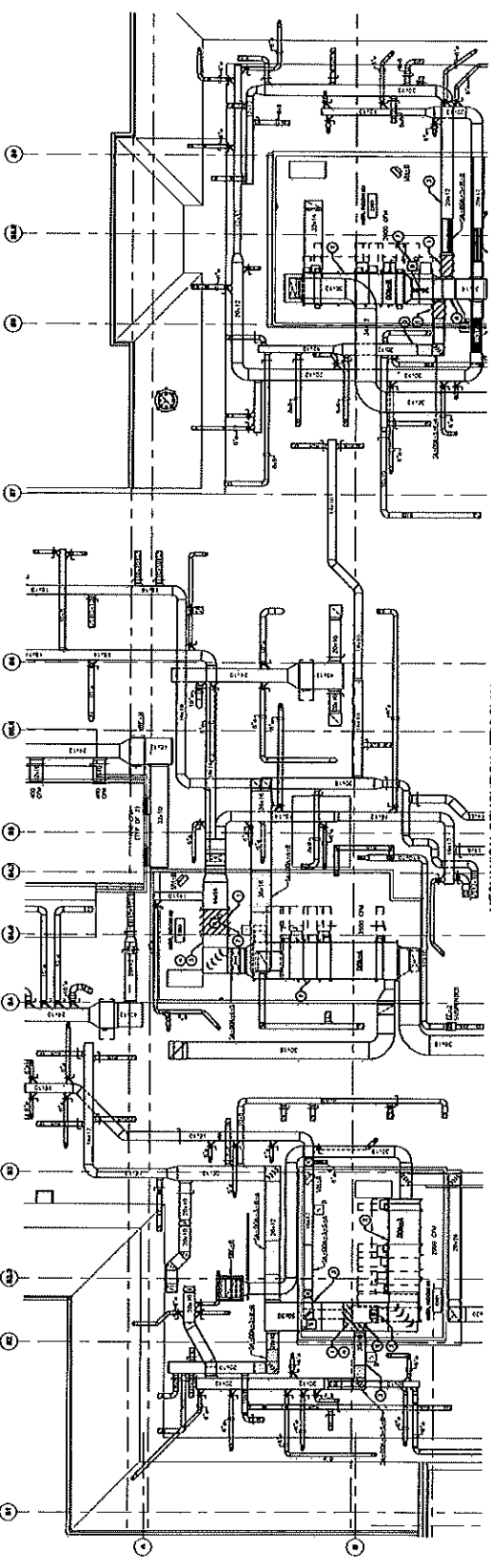
A mandatory pre-bid walk through of the project will be held on July 11, 2024 at 9am on the site starting at the Region 14 Central Office at Nonnewaug High School, 5 Minortown Road, Woodbury, CT 06798. All five (5) air handler units will be visited and the installation explained. No bids will be considered unless bidders have attended the pre-bid walk through and have signed the attendance list. Work on the project can occur during school hours, except when working on the unit above the Nurse's Office.

All controls shall be Andover/Schneider Electric Controls without exception. These controls must integrate seamlessly with the existing Andover building management control system. Both the heating and chiller lines have antifreeze in the system.

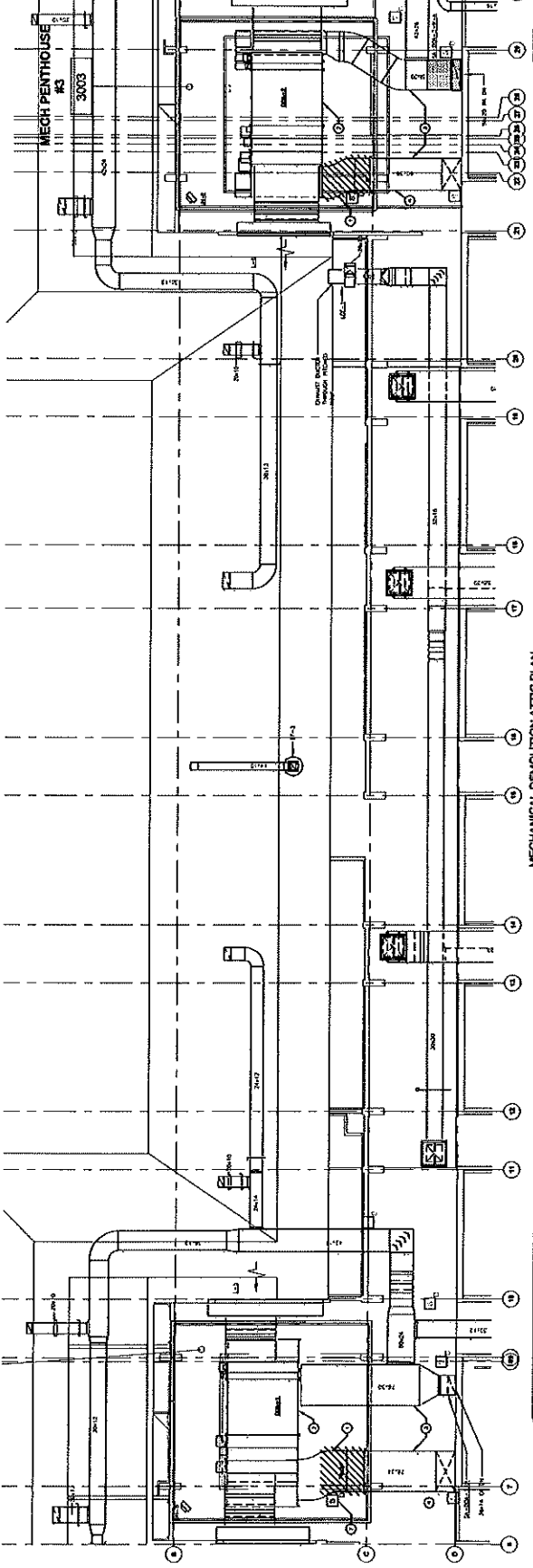
Bids shall be placed on Company Letterhead. No bid bonds are required for this project. Start dates for construction shall be coordinated with the Director of Facilities at Region 14 Schools. The contractor is responsible for obtaining a building permit and all associated fees with the building department for the Town of Woodbury.

All questions should be directed to Mike Molzon, Director of Facilities, Region 14 Schools at (203) 346-8659

INNOVATIVE ENGINEERING  
 CONSULTANTS, LLC  
 201 WASHINGTON STREET, SUITE 200  
 WOODBURY, CT 06798  
 TEL: 860-949-3000  
 FAX: 860-949-3001  
 WWW.IEC-CT.COM



MECHANICAL DEMOLITION ATTIC PLAN  
 PAGE 1 OF 1



MECHANICAL DEMOLITION ATTIC PLAN  
 PAGE 1 OF 1

- MECHANICAL DEMOLITION NOTES**
- 1 Remove sections of existing duct to accommodate new lighting. See drawings.
  - 2 Remove sections of existing ductwork and new ductwork in attic as shown.
  - 3 Existing ductwork to remain.
  - 4 Remove, install, and connect to new duct work and existing ductwork as shown.
  - 5 Existing ductwork to remain.
  - 6 Remove sections of existing ductwork to accommodate new lighting. See drawings.

| REV. | DATE | DESCRIPTION |
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ISSUED FOR  
 CONSTRUCTION  
 DOCUMENTS

**NONNAWAUG  
 HS OFFICE WING  
 WOODBURY, CT 06798**

**SHEET TITLE:  
 PARTIAL MECHANICAL  
 DEMOLITION ATTIC PLANS**

PROJECT NUMBER: 23174  
 ISSUED: 02/18/21  
 DRAWN BY:  
 CHECKED BY:  
 SCALE: AS NOTED

**MD-1**

ISSUED FOR  
 CONSTRUCTION  
 DOCUMENTS

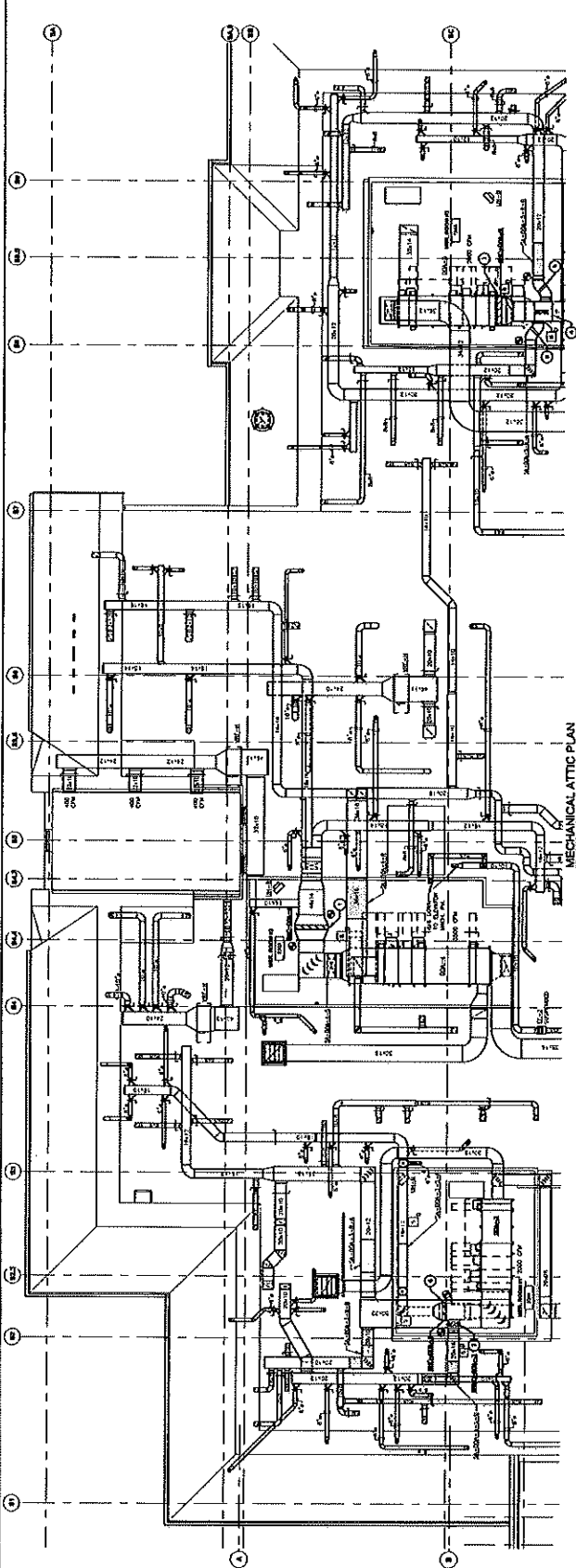
NONNAWAUG  
 HS OFFICE WING  
 WOODBURY, CT 06798

SHEET TITLE  
 PARTIAL MECHANICAL  
 ATTIC PLAN

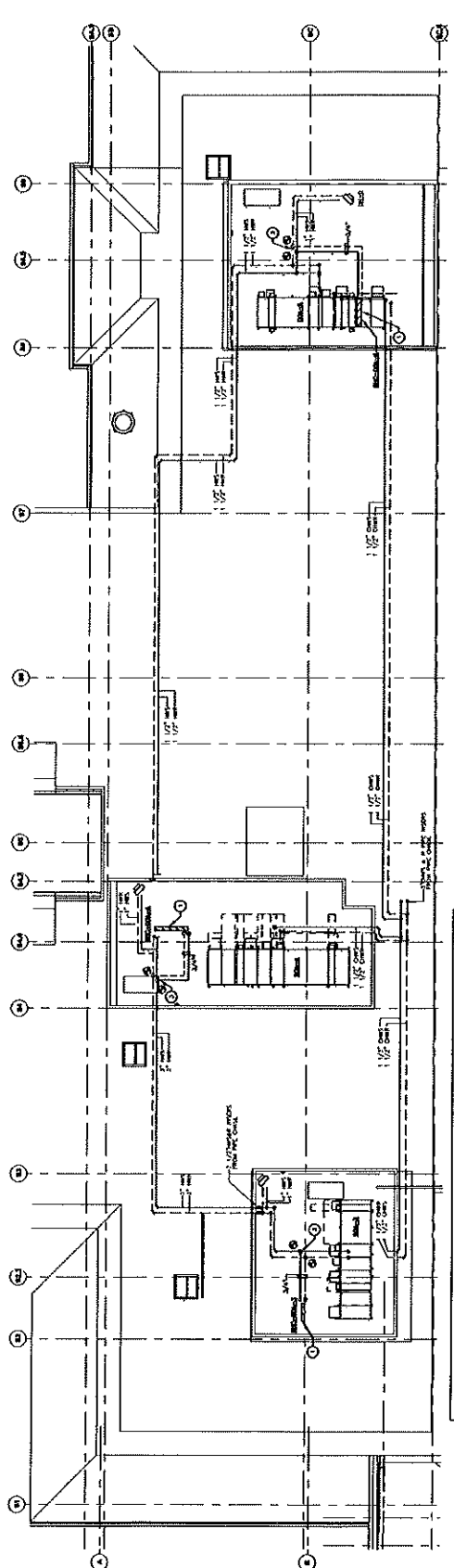
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| PROJECT NUMBER: | 23174    |
| ISSUED:         | 07/15/24 |
| DRAWN BY:       |          |
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| SCALE:          | AS NOTED |

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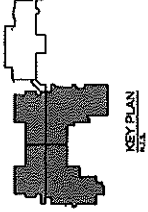
**M-1**



MECHANICAL ATTIC PLAN  
 SCALE 1/8" = 1'-0"



MECHANICAL PIPING ATTIC PLAN  
 SCALE 1/8" = 1'-0"



KEY PLAN  
 SCALE

- MECHANICAL NOTES**
1. SEE EACH ROOM'S MECHANICAL PLAN FOR EQUIPMENT AND PIPE SIZES. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  2. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
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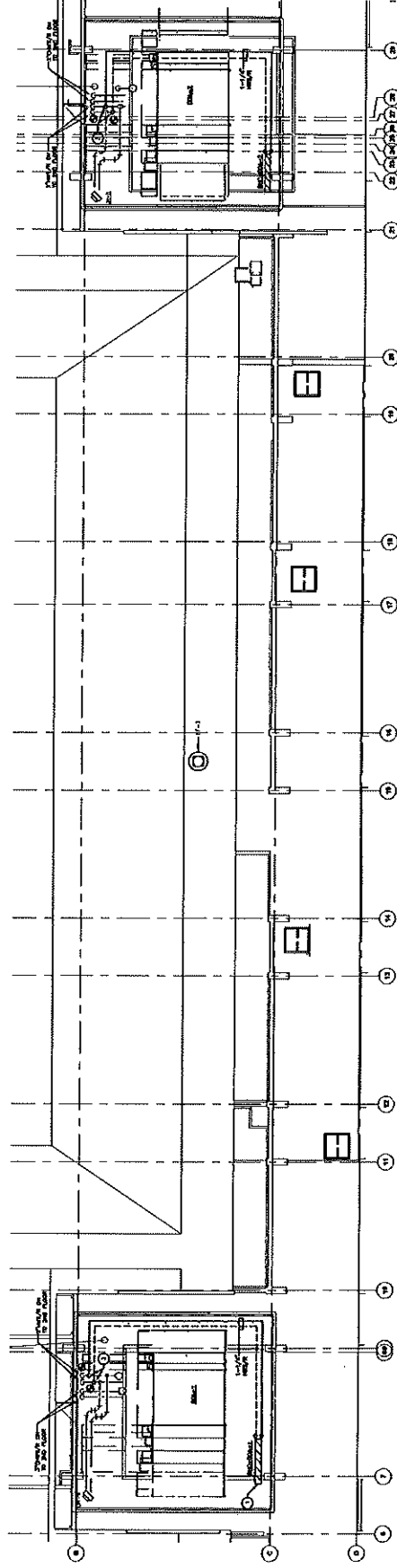
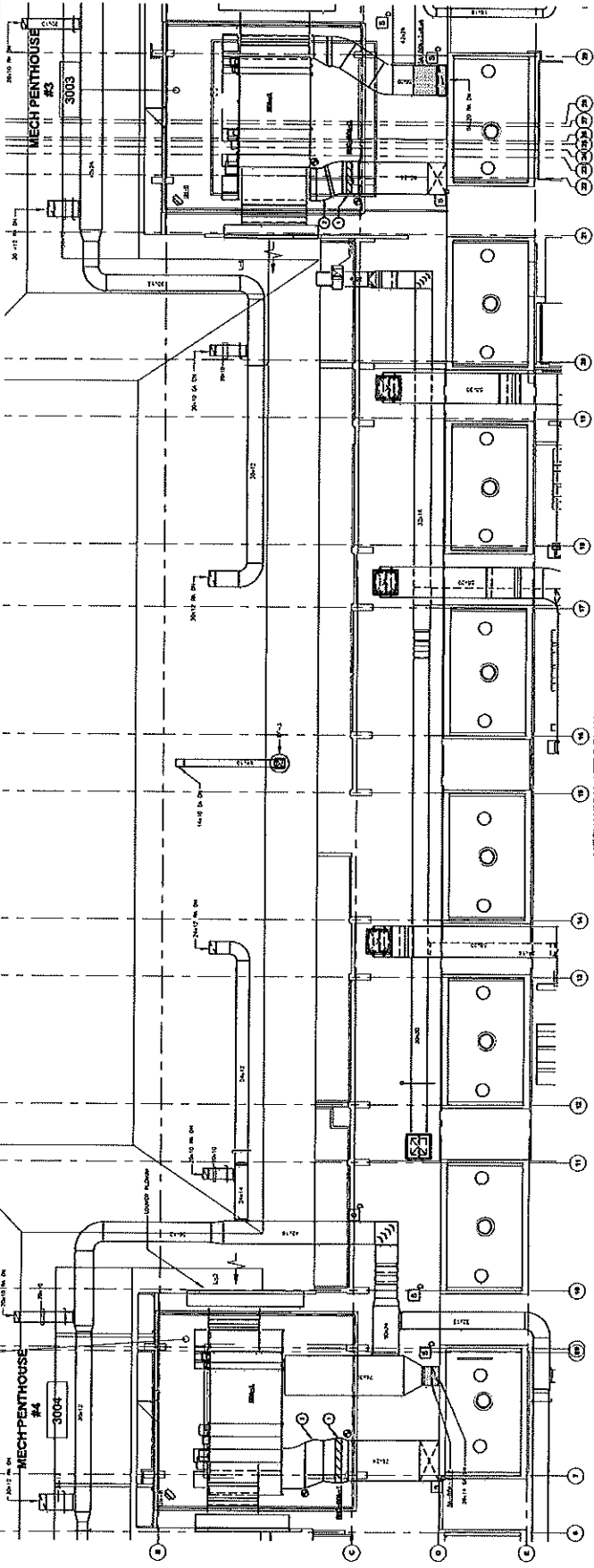
**NONNAWALUG  
 HS OFFICE WING  
 WOODBURY, CT 06798**

SHEET TITLE  
**PARTIAL MECHANICAL  
 ATTIC PLAN**

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|-----------------|----------|
| PROJECT NUMBER: | 23174    |
| ISSUED:         | 07/16/24 |
| DRAWN BY:       |          |
| CHECKED BY:     |          |
| SCALE:          | AS NOTED |

SHEET

**M-2**



- MECHANICAL NOTES**
- 1. SEE MECH PENTHOUSE #4 FOR MECH EQUIP. SEE MECH PENTHOUSE #4 FOR MECH EQUIP. SEE MECH PENTHOUSE #4 FOR MECH EQUIP.
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MECHANICAL (HVAC) SPECIFICATIONS

SECTION 23 - MECHANICAL (HVAC)
23-0100 - AIR CONDITIONING AND HEATING
23-0200 - VENTILATION
23-0300 - PLUMBING
23-0400 - PIPING
23-0500 - ELECTRICAL
23-0600 - REFRIGERATION
23-0700 - ROOFING
23-0800 - INSULATION
23-0900 - PAINTS AND COATINGS
23-1000 - FLOORING
23-1100 - CEILING
23-1200 - WALLS
23-1300 - DOORS AND WINDOWS
23-1400 - STAIRS AND LIFTS
23-1500 - ELEVATORS
23-1600 - CONVEYORS
23-1700 - MATERIAL HANDLING
23-1800 - PNEUMATIC CONVEYING
23-1900 - INDUSTRIAL PROCESS
23-2000 - SPECIALTY MECHANICAL

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1000 WEST 10TH AVENUE, SUITE 1000
DENVER, COLORADO 80202
TEL: 303.733.1100
WWW.IECONSULTANTS.COM

ISSUED FOR CONSTRUCTION DOCUMENTS

PROJECT: NONNAWAUG HS OFFICE WING
WOODBURY, CT 06798

SHEET TITLE: MECHANICAL SPECIFICATIONS
PROJECT NUMBER: 23174
ISSUED BY: 02/18/21
CHECKED BY:
SCALE: AS NOTED

SHEET: M-4

REVISED: 02/18/24  
 (EXISTING)

ISSUE: 02/18/24  
 DRAWN BY: JAC

PROJECT: HS OFFICE WING  
 LOCATION: 1000 MAIN STREET  
 WOODBURY, CT 06798

| NO. | DESCRIPTION      | DATE     | BY  | CHKD. |
|-----|------------------|----------|-----|-------|
| 1   | ISSUE FOR PERMIT | 02/18/24 | JAC | JAC   |
| 2   | ISSUE FOR PERMIT | 02/18/24 | JAC | JAC   |
| 3   | ISSUE FOR PERMIT | 02/18/24 | JAC | JAC   |
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| 49  | ISSUE FOR PERMIT | 02/18/24 | JAC | JAC   |
| 50  | ISSUE FOR PERMIT | 02/18/24 | JAC | JAC   |

**ELECTRICAL SPECIFICATION**

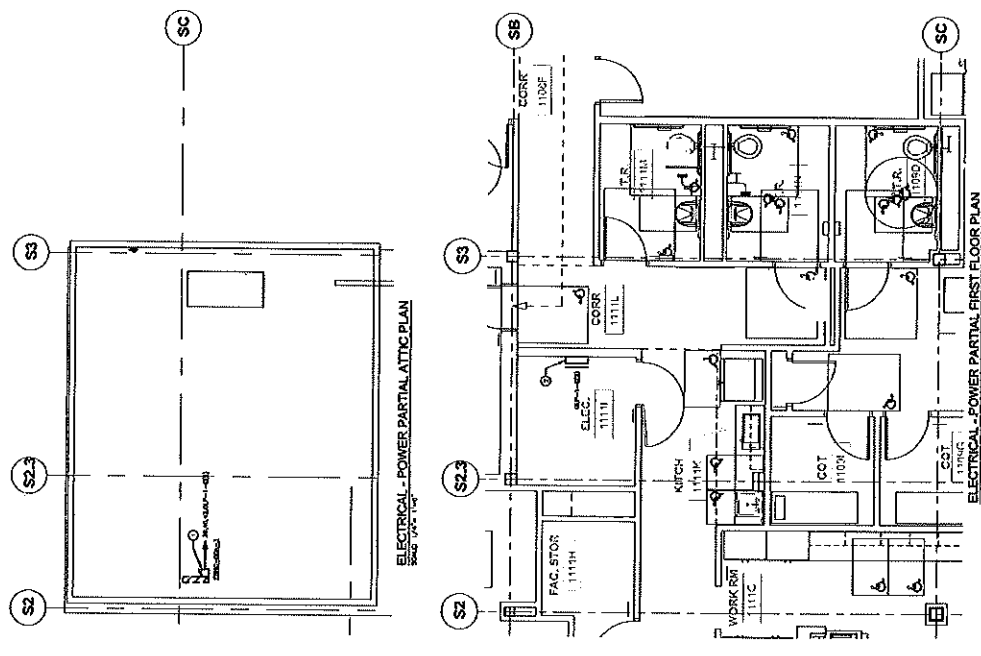
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK SHOWN ON THE ELECTRICAL PARTIAL ATTIC PLAN AND FIRST FLOOR PLAN.
- ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72), AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE COVERAGE FOR THE WORK SHOWN ON THIS PLAN.
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**ELECTRICAL LEGEND**

| SYMBOL | DESCRIPTION   |
|--------|---|
| □      | CONDUIT RUNS / LINE GROUP   |
| ○      | CONDUIT AND WIRE  |
| ○      | WIRING TO MULTIPLEXER, MULTIPLEXER, WIRELESS POINT POINT A PROGRAMME TERMINATION WIRELESS TERMINAL WIRELESS |
| □      | SMALL TERMINAL SWITCH   |

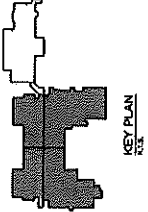
**RVAC FEEDER SCHEDULE**

| FEEDER | TYPE    | WIRE SIZE | WIRE TYPE | WIRE COLOR  |
|--------|---------|-----------|-----------|-------------|
| 1      | PHASE   | 125       | THHN      | RED         |
| 2      | PHASE   | 125       | THHN      | BLUE        |
| 3      | PHASE   | 125       | THHN      | GREEN/WHITE |
| 4      | NEUTRAL | 125       | THHN      | WHITE       |
| 5      | GROUND  | 125       | THHN      | GREEN       |



**DRAWING NOTES**

- EXISTING WORK NOT SHOWN ON THIS DRAWING.
- EXISTING WORK TO BE REMOVED NOT SHOWN ON THIS DRAWING.



ISSUED FOR CONSTRUCTION DOCUMENTS

PROJECT: **NONNAWAIG HS OFFICE WING**  
 WOODBURY, CT 06798

SHEET TITLE: **ELECTRICAL - POWER PARTIAL FIRST FLOOR PLAN**

PROJECT NUMBER: 23174  
 ISSUED: 02/18/24  
 DRAWN BY: JAC  
 CHECKED BY: JAC  
 SCALE: AS NOTED

SHEET: **E-1**