



Office of General Services

DESIGN & CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 1 TO PROJECT NO. M3210

CONSTRUCTION, HVAC, AND ELECTRICAL WORK REPLACE CONDENSING UNITS, BUILDINGS 1, 8, 26 AND 93 EASTERN CORRECTIONAL FACILITY 30 INSTITUTION ROAD NAPANOCH, NY

March 6, 2026

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

BIDDING REQUIREMENTS – COMMON DOCUMENTS

1. DOCUMENT 001114 ADVERTISEMENT FOR BIDS: Paragraph 4: CHANGE Paragraph to Read:
“Pursuant to Public Buildings Law § 8(6), effective January 11, 2020, for any projects where the project design commenced on or after January 1, 2020 and for any contracts over \$5,000 for the work of construction, reconstruction, alteration, repair, or improvement of any State building, a responsible and reliable NYS-certified Minority or Women-Owned Business Enterprise that submits a bid within ten percent of the lowest bid will be deemed the apparent low bidder provided that the bid is \$1,737,918 or less, adjusted annually for inflation as of March 1, 2026. If more than one responsible and reliable MWBE firm meets these requirements, the MWBE firm with the lowest bid will be deemed the apparent low bidder.”
2. DOCUMENT 002113 INSTRUCTIONS TO BIDDERS: Paragraph 13.5: CHANGE Paragraph to Read:
“13.5 Pursuant to Public Buildings Law § 8(6), effective January 11, 2020, for any projects where the project design commenced on or after January 1, 2020 and for any contracts over \$5,000 for the work of construction, reconstruction, alteration, repair, or improvement of any State building, a responsible and reliable NYS-certified Minority or Women-Owned Business Enterprise that submits a bid within ten percent of the lowest bid will be deemed the apparent low bidder provided that the bid is \$1,737,918 or less, adjusted annually for inflation as of March 1, 2026. If more than one responsible and reliable MWBE firm meets these requirements, the MWBE firm with the lowest bid will be deemed the apparent low bidder. Refer to the Advertisement for Bids for applicability of projects subject to this criteria.”
3. DOCUMENT 002113 INSTRUCTIONS TO BIDDERS: Paragraph 17: CHANGE “\$1,680,923” to read “\$1,737,918”.

GENERAL REQUIREMENTS – COMMON

4. SECTION 011000.01 - SUMMARY OF THE WORK, Article 1.5: Add the following Subparagraph:
 - “D. Submittal No. 4 (HVAC Work Contractor): Submit Air Handling Units product data for approval per Specification Section 237300 not later than 45 days after approval of the Contract by the Comptroller.”

HVAC SPECIFICATIONS

5. SECTION 232113 - HYDRONIC PIPING, Paragraph 3.1 A: Revise the subparagraph to read as follows:
 - “A. Chilled Water and Hot Water piping, aboveground, NPS 2 and smaller, shall be any of the following:”
6. DOCUMENT SECTION 233416 - CENTRIFUGAL HVAC FANS: Add the accompanying Section (page 233416-1 thru page 233416-6) to the Project Manual.
7. SECTION 230700 - HVAC INSULATION, Paragraph 3.5 B: Add the following Subparagraph:
 - “4. Hot Water Supply and Return (below 200 degrees):
 - a. Type: P-1, Pipe Size 3 Inches and below: 1.5 inches.”

GENERAL DRAWINGS

8. Revised Drawing:
 - a. Drawing No. G-002, noted Addendum 01 dated 3/2/2026, accompanies this Addendum and supersedes the same numbered previously issued drawing.

HVAC DRAWINGS

9. Revised Drawing:
 - a. Drawing Nos. M-104, M-105, M-106, M-301, M-502, M-601, noted Addendum 01 dated 3/2/2026, accompanies this Addendum and supersedes the same numbered previously issued drawing.
10. Addendum Drawing:
 - a. Drawing Nos. M-105A, M-106A, M-502A, M-601A, M-703A, M-703B, noted “ADDENDUM 01” accompanies this Addendum and forms part of the Contract Documents.

ELECTRICAL DRAWINGS

11. Revised Drawing:
 - a. Drawing Nos. E-104, E-105, noted Addendum 01 dated 3/2/2026, accompanies this Addendum and supersedes the same numbered previously issued drawing.

END OF ADDENDUM

Brady M. Sherlock, P.E.
Director, Division of Design
Design & Construction

SECTION 233416 - CENTRIFUGAL HVAC FANS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Square in-line centrifugal fans.
 - 2. Utility set fans.

1.3 SUBMITTALS

- A. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
- B. Manufacturer's installation instructions shall be provided along with product data.
- C. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).
- D. Product Data: For each type of product.
 - 1. Construction details, material descriptions, dimensions of individual components and profiles, and finishes for fans.
 - 2. Rated capacities, operating characteristics, and furnished specialties and accessories.
 - 3. Certified fan performance curves with system operating conditions indicated.
 - 4. Certified fan sound-power ratings.
 - 5. Motor ratings and electrical characteristics, plus motor and electrical accessories.
 - 6. Material thickness and finishes, including color charts.
 - 7. Dampers, including housings, linkages, and operators.
- E. Field quality-control reports.

1.4 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For centrifugal fans to include in normal operation, emergency operation, and maintenance manuals with replacement parts listing.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Belts: One set for each belt-driven unit.

PART 2 - PRODUCTS

2.1 SQUARE IN-LINE CENTRIFUGAL FANS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Acme Engineering & Manufacturing Corp.
 - 2. Greenheck Fan Corporation.
 - 3. Loren Cook Company.
 - 4. Approved equivalent.
- B. Description: Square in-line centrifugal fans.
- C. Housing:
 - 1. Housing Material: Reinforced steel.
 - 2. Housing Coating: None
 - 3. Housing Construction: Side panels shall be easily removable for service. Include inlet and outlet flanges, and support bracket adaptable to floor, side wall, or ceiling mounting.
- D. Belt-Driven Units: Motor mounted on adjustable base, with adjustable sheaves, enclosures around belts within fan housing, and lubricating tubes from fan bearings extended to outside of fan housing.
- E. Fan Wheels: Aluminum airfoil blades welded to aluminum hub.
- F. Motor Enclosure: Open, drip-proof.
- G. Accessories:
 - 1. Access for Inspection, Cleaning, and Maintenance: Comply with requirements in ASHRAE 62.1.
 - 2. Companion Flanges: For inlet and outlet duct connections.
 - 3. Fan Guards: 1/2- by 1-inch mesh of galvanized steel in removable frame. Provide guard for inlet or outlet for units not connected to ductwork.
 - 4. Motor and Drive Cover (Belt Guard): Epoxy-coated steel.

2.2 UTILITY SET FANS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Loren Cook Company.
 2. New York Blower Company (The).
 3. S & P USA Ventilation Systems, LLC.
 4. Approved equivalent.
- B. Description:
1. Factory-fabricated, -assembled, -tested, and -finished, **[belt-] [direct-]**driven centrifugal fan utility vent sets, consisting of housing, wheel, fan shaft, bearings, motor, drive assembly, and support structure.
- C. Housings:
1. Housing Material: Reinforced steel.
 2. Housing Coating: Powder-baked enamel.
 3. Formed panels to make curved-scroll housings with shaped cutoff.
 4. Panel Bracing: Steel angle- or channel-iron member supports for mounting and supporting fan scroll, wheel, motor, and accessories.
 5. Discharge Arrangement: Fan scroll housing field rotatable to any of seven discharge positions. Provide fan with discharge positioned in proper direction to minimize connected duct turns.
- D. Wheels:
1. Wheel Configuration: SWSI, with hub keyed to shaft.
 2. Wheel and Blade Materials: Steel.
 3. Wheel and Blade Coating: None.
 4. Backward-Inclined Airfoil Blades:
 - a. Aerodynamic design.
 - b. Heavy backplate.
 - c. Hollow die-formed, airfoil-shaped blades continuously welded at tip flange and backplate.
- E. Shafts:
1. Turned, ground, and polished steel; keyed to wheel hub. First critical speed at least 1.4 times maximum class speed.
- F. Bearings:
1. Heavy-duty regreasable ball or roller type in a cast iron pillowblock housing.
 2. Ball-Bearing Rating Life: ABMA 9, L(50) of 200,000 hours.
 3. Roller-Bearing Rating Life: ABMA 11, L(50) of 200,000 hours.
 4. Extend grease fitting to accessible location outside of unit.

G. Motor Enclosure: Totally enclosed, fan cooled.

H. Accessories:

1. Inlet and Outlet: Flanged.
2. Companion Flanges: Rolled flanges for duct connections of same material as housing.
3. Backdraft Dampers: Gravity actuated with counterweight and interlocking aluminum blades, with felt edges in steel frame installed on fan discharge.
4. Access Door: Gasketed door in scroll with latch-type handles.
5. Scroll Dampers: Single-blade damper installed at fan scroll top with adjustable linkage.
6. Inlet Screens: Removable wire mesh.
7. Outlet Screens: Removable wire mesh.
8. Belt Guard: OSHA-compliant, completely enclosed shaft and drive components.
9. Drain Connections: NPS 3/4 threaded coupling drain connection installed at lowest point of housing.
10. Weather Hoods: Weather resistant with stamped vents over motor and drive compartment.
11. Discharge Dampers: Assembly with parallel blades constructed of two plates formed around, and to, shaft, channel frame, and sealed ball bearings, with blades linked outside of airstream to single control lever of same material as housing.

2.3 MOTORS

A. Comply with NEMA designation, temperature rating, service factor, and efficiency requirements for motors specified in Section 230513 "Common Motor Requirements for HVAC Equipment."

2.4 SOURCE QUALITY CONTROL

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by an NRTL, and marked for intended location and application.

B. AMCA Compliance: Fans shall comply with AMCA 11 and bear the AMCA-Certified Ratings Seal.

C. Fan Sound Ratings: Comply with AMCA 311 and label fans with the AMCA-Certified Ratings Seal. Sound ratings shall comply with AMCA 301. The fans shall be tested according to AMCA 300.

D. Fan Performance Ratings: Comply with AMCA 211 and label fans with AMCA-Certified Rating Seal. The fans shall be tested for air performance - flow rate, fan pressure, power, fan efficiency, air density, speed of rotation, and fan efficiency - according to AMCA 210/ASHRAE 51.

E. Operating Limits: Classify fans according to AMCA 99.

PART 3 - EXECUTION

3.1 INSTALLATION OF CENTRIFUGAL HVAC FANS

- A. Install centrifugal fans level and plumb.
- B. Disassemble and reassemble units, as required for moving to the final location, according to manufacturer's written instructions.
- C. Lift and support units with manufacturer's designated lifting or supporting points.
- D. Equipment Mounting:
 - 1. Support duct-mounted and other hanging centrifugal fans directly from the building structure, using suitable hanging systems as specified in Section 230529 "Hangers and Supports for HVAC Piping and Equipment."
 - 2. Comply with requirements for vibration isolation devices specified in Section 230548.13 "Vibration Controls for HVAC."
- E. Install units with clearances for service and maintenance.
- F. Label fans according to requirements specified in Section 230553 "Identification for HVAC Piping and Equipment."

3.2 DUCTWORK AND PIPING CONNECTIONS

- A. Drawings indicate general arrangement of ducts and duct accessories. Make final duct connections with flexible connectors. Flexible connectors are specified in Section 233300 "Air Duct Accessories."
- B. Install ducts adjacent to fans to allow service and maintenance.

3.3 CONTROL CONNECTIONS

- A. Install control and electrical power wiring to field-mounted control devices.
- B. Connect control wiring according to Section 260523 "Control-Voltage Electrical Power Cables."

3.4 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- B. Manufacturer's Field Service: Engage a Company Service Advisor to test and inspect components, assemblies, and equipment installations, including connections.
- C. Perform tests and inspections with the assistance of a Company Service Advisor.
- D. Tests and Inspections:

1. Verify that shipping, blocking, and bracing are removed.
 2. Verify that unit is secure on mountings and supporting devices and that connections to ducts and electrical components are complete. Verify that proper thermal-overload protection is installed in motors, starters, and disconnect switches.
 3. Verify that there is adequate maintenance and access space.
 4. Verify that cleaning and adjusting are complete.
 5. Disconnect fan drive from motor, verify proper motor rotation direction, and verify fan wheel free rotation and smooth bearing operation. Reconnect fan drive system, align and adjust belts, and install belt guards.
 6. Adjust belt tension.
 7. Adjust damper linkages for proper damper operation.
 8. Verify lubrication for bearings and other moving parts.
 9. Verify that manual and automatic volume control and fire and smoke dampers in connected ductwork systems are in fully open position.
 10. See Section 230593 "Testing, Adjusting, and Balancing For HVAC" for testing, adjusting, and balancing procedures.
 11. Remove and replace malfunctioning units and retest as specified above.
- E. Test and adjust controls and safeties. Controls and equipment will be considered defective if they do not pass tests and inspections.
- F. Prepare test and inspection reports.

3.5 ADJUSTING

- A. Adjust damper linkages for proper damper operation.
- B. Adjust belt tension.
- C. Comply with requirements in Section 230593 "Testing, Adjusting, and Balancing for HVAC" for testing, adjusting, and balancing procedures.
- D. Replace fan and motor pulleys as required to achieve design airflow.
- E. Lubricate bearings.

3.6 DEMONSTRATION

- A. Engage a Company Service Advisor to train Director's Representative's maintenance personnel to adjust, operate, and maintain centrifugal fans.

END OF SECTION 233416



SAGE ENGINEERING ASSOCIATES, LLP

SAGE ENGINEERING PROJECT NO. 4231

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



REGISTRATION EXPIRES: 02/28/2026

CONTRACT:

HVAC

TITLE:

REPLACE CONDENSING UNITS BUILDINGS 1, 8, 26 AND 93

LOCATION:

EASTERN CORRECTIONAL FACILITY 30 INSTITUTION ROAD NAPANOCH, NY

CLIENT:

DEPT. OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
△	3/2/2026	ADDENDUM 01
	8/6/2025	BID DOCUMENT
PROJECT NUMBER:	M3210 - H	
DESIGNED BY:	DJB	
DRAWN BY:	AHZ	
FIELD CHECK:	KF	
APPROVED:	DPL	

SHEET TITLE:

BLDG 26 BASEMENT PLAN

DRAWING NUMBER:

M-104

TEMPORARY COOLING NOTES:

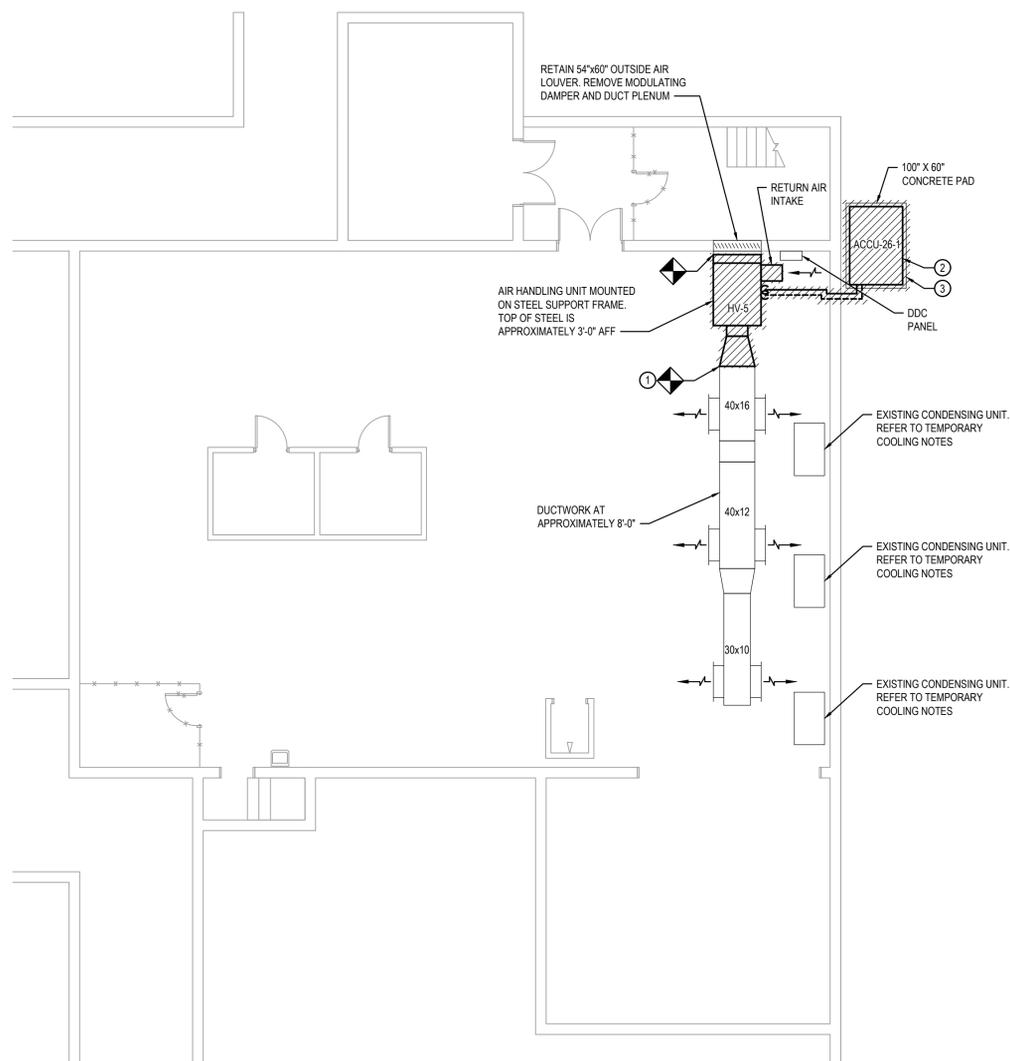
1. PROVIDE THREE (3) PORTABLE WATER-COOLED AIR CONDITIONING UNITS FOR TEMPORARY COOLING. BASIS OF DESIGN IS OCEANAIRE MODEL OWC8012. EACH UNIT RATED 60,100 BTUH (5 TONS) COOLING CAPACITY, OPERATING ON 208-230 VOLT, 1-PHASE, 60 HERTZ POWER.
 - A. FULL LOAD CURRENT: 23.7 AMPS, 6-30P PLUG CONNECTION.
 - B. DEDICATED CIRCUIT AND TIME-DELAY FUSES OR CIRCUIT BREAKERS REQUIRED.
- C. EACH UNIT INCLUDES:
 1. SCROLL COMPRESSOR (5 HP) USING R-410A REFRIGERANT.
 2. SOLID-STATE ELECTRONIC CONTROLLER WITH LARGE LED DISPLAY.
 3. MANUAL OR AUTOMATIC 6-SPEED FAN CONTROL.
 4. INTERNAL CONDENSATE PUMP WITH AUTOMATIC OPERATION AND 20-FOOT VERTICAL LIFT.
 5. WATER-REGULATING VALVE AND HIGH-PRESSURE SAFETY SWITCH.
 6. WASHABLE ELECTROSTATIC AIR FILTER.
 7. SWIVEL BALL-BEARING CASTERS WITH LOCKING FRONTS.
- D. PERFORMANCE AND CONNECTIONS:
 1. EVAPORATOR AIRFLOW: 1,950 CFM.
 2. WATER CONNECTIONS: 5/8-INCH MPT WATER INLET, 5/8-INCH MPT WATER OUTLET, 3/8-INCH MPT DRAIN CONNECTION.
 3. DIMENSIONS: 53.2 INCHES HIGH x 28.2 INCHES WIDE x 29.2 INCHES DEEP, APPROX. WEIGHT 375 POUNDS.
 4. OPERATING RANGE: 65°F TO 105°F AMBIENT.
- E. ACCESSORIES AND INSTALLATION:
 1. PROVIDE MANUFACTURER'S HOSE KIT INCLUDING REINFORCED PVC WATER IN, WATER OUT, AND DRAIN HOSES, MINIMUM 10 FEET LONG. MAKE CONNECTIONS TO EXISTING CONDENSING UNITS AS DIRECTED BY DIRECTOR'S REPRESENTATIVE.
 2. INSTALL PER MANUFACTURER'S INSTRUCTIONS, INCLUDING APPROXIMATELY 10' OF WATER SUPPLY, 20' OF WATER DRAIN, AND ELECTRICAL CONNECTIONS FOR COMPLETE OPERATION.
 3. FIELD-VERIFY POWER, WATER SUPPLY, AND DRAIN LOCATIONS PRIOR TO INSTALLATION.
 4. PROVIDE TEMPORARY SUPPORTS AND CONNECTION ACCESSORIES AS REQUIRED.
 5. EXISTING PLUGS ARE AVAILABLE AND WITHIN 10'.

GENERAL NOTES:

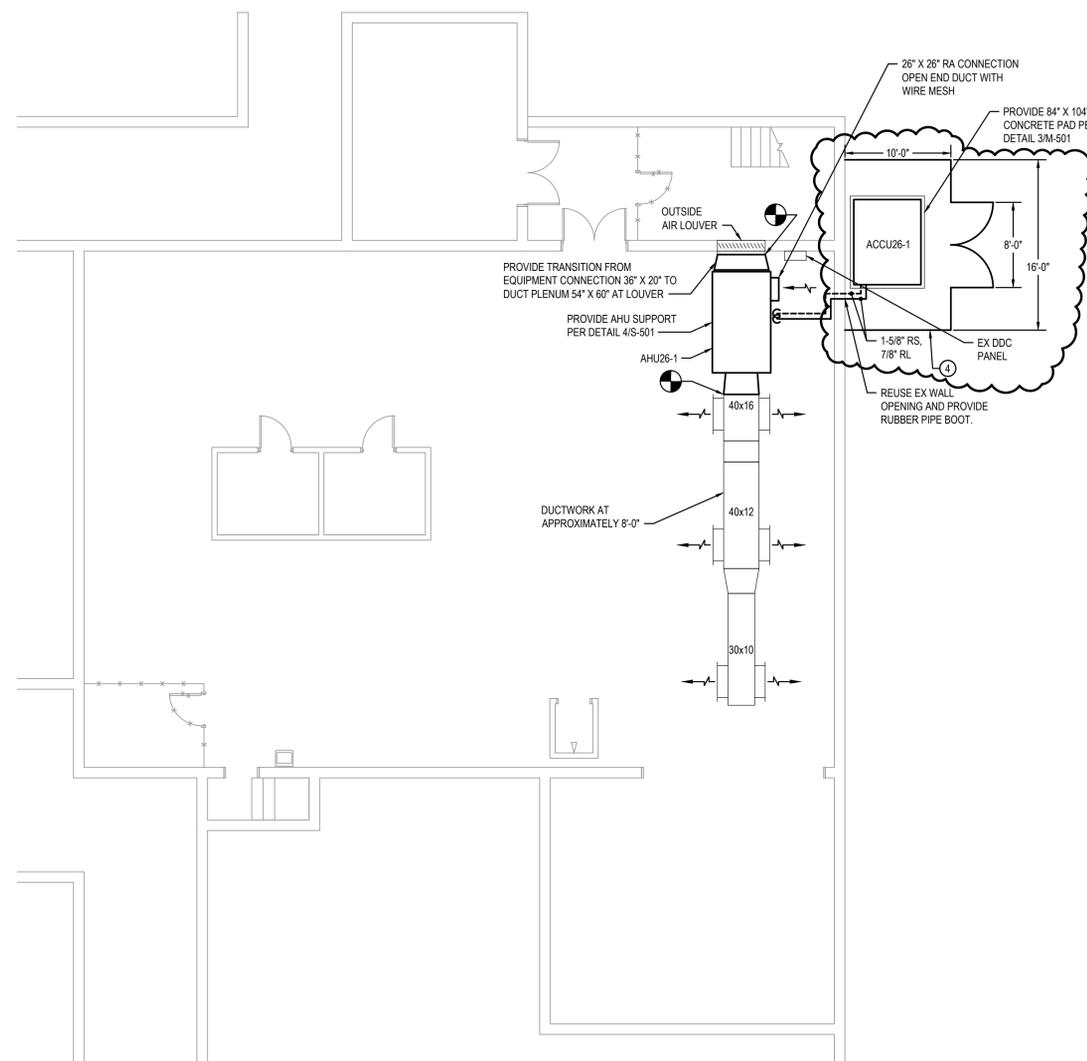
1. EXISTING AIR HANDLING UNIT HV-5 PROVIDES COOLING AIR TO CONDITION THE BASEMENT AREA OF BUILDING 26. REPLACEMENT OF THIS AIR HANDLING UNIT MUST OCCUR OUTSIDE OF THE COOLING RESTRICTED WORK PERIOD. REFER TO SPECIFICATION SECTION 011000 SUMMARY OF THE WORK. COORDINATE SHUT DOWN WITH DIRECTOR'S REPRESENTATIVE AT LEAST 5 DAYS IN ADVANCE.

KEYED NOTES:

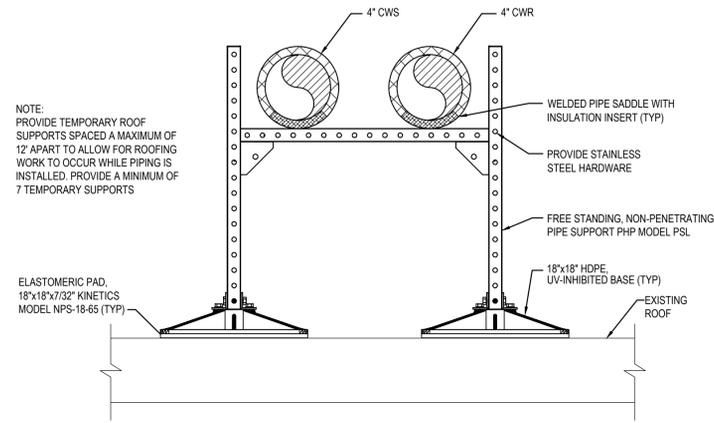
- ① REMOVE EXISTING AIR HANDLING UNIT INCLUDING DX COIL, PIPING CONNECTIONS, DUCT CONNECTIONS, CONTROLS AND CONTROLS WIRING AND EQUIPMENT SUPPORT STAND.
- ② REMOVE EXISTING 25 TON CONDENSING UNIT. RECLAIM REFRIGERANT AND DISPOSE OF IN ACCORDANCE WITH EPA GUIDELINES.
- ③ REMOVE EXISTING CONCRETE HOUSEKEEPING PAD. TOP OF PAD IS APPROXIMATELY 1" ABOVE GRADE.
- ④ PROVIDE FENCE SURROUNDING CONDENSING UNIT MEETING THE FOLLOWING:
 - 8 FEET IN HEIGHT ABOVE GRADE.
 - FABRIC: #9 GAGE GALVANIZED STEEL, WOVEN TOGETHER INTO 2 INCH DIAMOND MESH, WITH BOTH TOP AND BOTTOM EDGES HAVING A TWISTED AND BARBED FINISH.
 - POSTS, RAILS, AND CONNECTIONS: STANDARD GALVANIZED STEEL PRODUCTS OF AN APPROVED MANUFACTURER, OF THE SIZE AND TYPES AS REQUIRED AND APPROVED.
 - PROVIDE TOP AND BOTTOM RAILS BETWEEN ALL POSTS SECURED WITH BOLTED CONNECTIONS.
 - GATES: PROVIDE 8'-0" DOUBLE ACCESS GATES FOR PASSAGE OF EMPLOYEES AND MATERIALS. COMPLETE WITH PADLOCK. FABRICATE GATES WITH GALVANIZED STEEL PIPE PERIMETER COVERED WITH SAME FABRIC SPECIFIED FOR FENCE. FURNISH THE DIRECTOR'S REPRESENTATIVE WITH 2 KEYS PER GATE.
 - ERECTION: SET POSTS 4 FEET INTO THE GROUND AND NOT MORE THAN 10 FEET APART. INSTALL BOTTOM RAIL NOT MORE THAN 2 INCHES ABOVE EXISTING GRADE. PULL FABRIC TAUT AND WIRE TIGHTLY TO POSTS AND RAILS AT NOT MORE THAN 2 FEET ON CENTER.



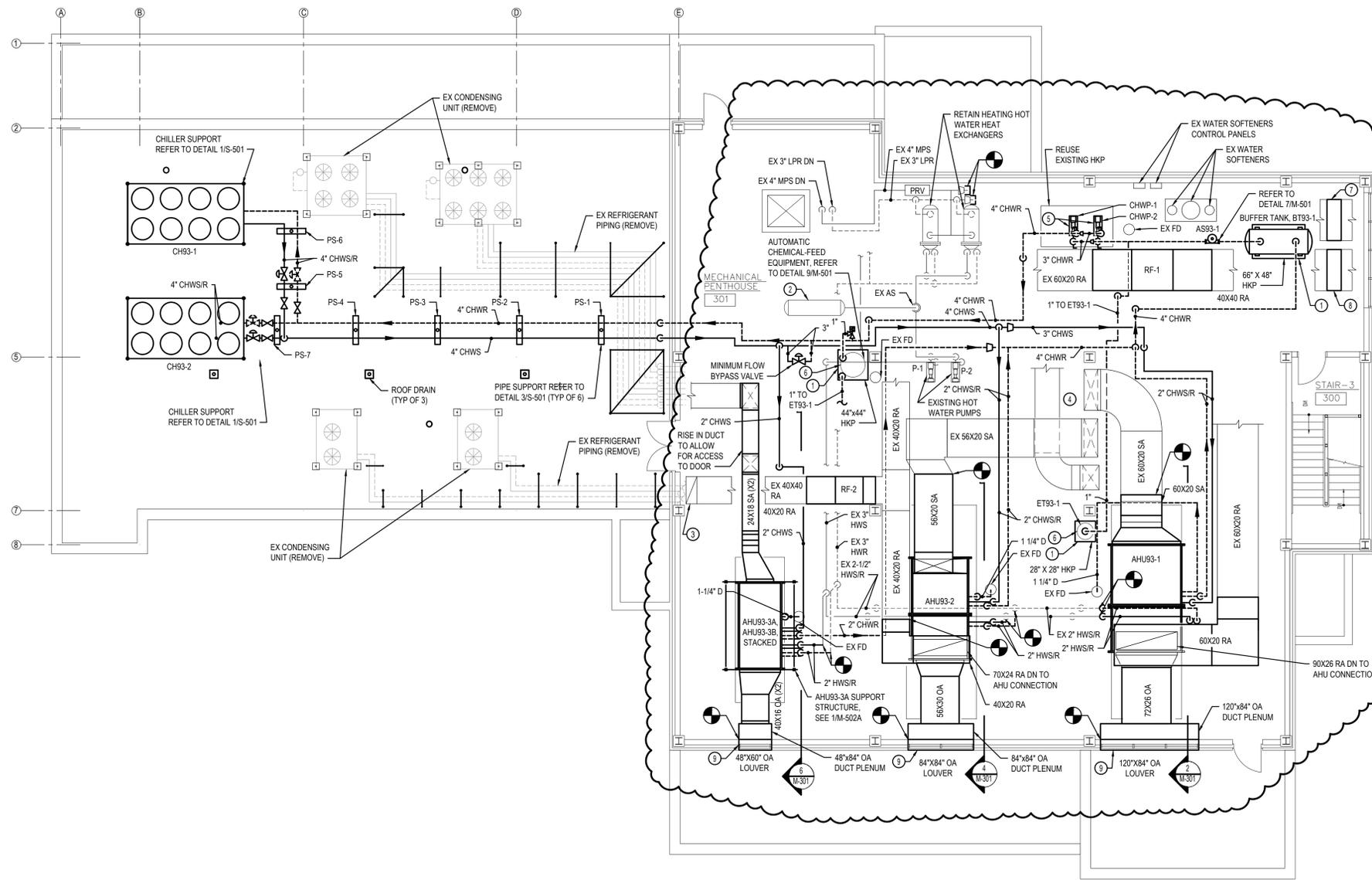
1 BUILDING 26 PARTIAL BASEMENT REMOVALS PLAN
M-104 SCALE: 1/8" = 1'-0"



2 BUILDING 26 PARTIAL BASEMENT INSTALLATION PLAN
M-104 SCALE: 1/8" = 1'-0"



2 TEMPORARY NON-PENETRATING ROOF SUPPORTS
M-106 SCALE: NO SCALE



1 BLDG. 93 PENTHOUSE INSTALLATION PLAN
M-106 SCALE: 1/8" = 1'-0"

ROOF GENERAL NOTES:

- ACCU-93-1, ACCU-93-2, ACCU-93-3A, AND ACCU-93-3B AND THEIR ASSOCIATED DX COOLING COILS ARE ALL BEING REPLACED UNDER THIS PROJECT WITH (2) CHILLERS AND CHILLED WATER COILS. THE REPLACEMENT EQUIPMENT HAS BEEN LAYED OUT IN SUCH A WAY THAT DOWNTIME CAN BE MINIMIZED.
- THE ROOF IS BEING REPLACED IN THIS PROJECT UNDER THE CONSTRUCTION CONTRACT. THE ROOFING WILL BE COMPLETED IN PHASES, IN WHICH THE SOUTH PORTION OF THE ROOF WILL BE COMPLETED FIRST.
 - DURING THE FIRST PHASE OF ROOF REPLACEMENT, INSTALL THE CHILLERS AS WELL AS THE TEMPORARY ROOF SUPPORTS AND COMPLETE THE INTERIOR SCOPE OF WORK IN BUILDING 93. ONCE THE REPLACEMENT CHILLED WATER SYSTEM IS CONSTRUCTED AND ACCEPTABLE TO THE DIRECTOR'S REPRESENTATIVE, THE SECOND PHASE OF THE ROOF REPLACEMENT MAY OCCUR.
 - THE SECOND PHASE OF THE ROOF REPLACEMENT INVOLVED REMOVAL OF THE EXISTING ROOF MOUNTED CONDENSING UNITS AND PIPE SUPPORTS AND INSTALLATION OF THE PERMANENT PIPE SUPPORTS.
- COORDINATE SCHEDULE WITH DIRECTOR'S REPRESENTATIVE AND C-CONTRACT.
- EACH CONTRACT IS RESPONSIBLE FOR TRANSPORT OF MATERIALS AND EQUIPMENT THROUGH THE BUILDING AND ACROSS THE ROOF RELATED TO THEIR WORK SCOPE. CONSTRUCTION LOADS SHALL NOT EXCEED MINIMUM LIVE LOADS AS REQUIRED IN THE 2020 BUILDING CODE OF NEW YORK STATE. PROVIDE ALL TEMPORARY SHORING, BRACING, AND PROTECTION REQUIRED TO ENSURE THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING.
- DO NOT STAGE, STORE OR TRANSPORT EQUIPMENT AND MATERIALS ACROSS THE ROOF THAT EXCEED 600 LBS. THE SUBCONTRACTOR IS RESPONSIBLE FOR ALL TRANSPORT OF EQUIPMENT AND MATERIALS RELATED TO THEIR WORK CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LOADS. PROVIDE ALL TEMPORARY SHORING, BRACING, AND PROTECTION REQUIRED TO ENSURE THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING.

GENERAL NOTES:

- EXISTING AIR HANDLING UNIT AHU-1 AND AHU-2 PROVIDE VENTILATION AIR FOR BUILDING 93 AND MUST OPERATE CONTINUOUSLY THROUGHOUT THE SUMMER MONTHS. IF NECESSARY, A SHUTDOWN DURING THE SUMMER MONTHS OF 8-HOURS MAY BE ACCOMMODATED. COMPLETE REPLACEMENT OF THE AIR HANDLING UNITS MUST OCCUR BETWEEN SEPTEMBER 15 AND APRIL 1. DURING THIS TIME, IT IS ACCEPTABLE TO RUN THE RETURN FANS FOR VENTILATION. A SHUTDOWN ON 48 HOURS IS ACCEPTABLE FOR RETURN FAN REPLACEMENT. REFER TO SPECIFICATION SECTION 011000 SUMMARY OF THE WORK FOR RESTRICTED WORK PERIOD. COORDINATE SHUT DOWN WITH DIRECTOR'S REPRESENTATIVE AT LEAST 5 DAYS IN ADVANCE.
- EXISTING AIR HANDLING UNIT AHU-3A AND AHU-3B PROVIDE VENTILATION AIR FOR BUILDING 93 ISOLATION ROOMS. THE UNITS ARE REDUNDANT AND EACH AIR HANDLING UNIT HAS THE CAPACITY TO HANDLE THE LOAD OF THE BUILDING 93 ISOLATION ROOMS. AT LEAST ONE AIR HANDLING UNIT MUST BE OPERATIONAL AT ALL TIMES WITH THE EXCEPTION OF A 4-HOUR SHUT DOWN FOR DUCT CONNECTIONS. REFER TO SPECIFICATION SECTION 011000 SUMMARY OF THE WORK FOR RESTRICTED WORK PERIOD. COORDINATE SHUT DOWN WITH DIRECTOR'S REPRESENTATIVE AT LEAST 5 DAYS IN ADVANCE.
- SELECT REMOVALS ARE SHOWN ON THIS SHEET TO ILLUSTRATE INSTALLATIONS THAT MUST OCCUR PRIOR TO REMOVALS. NOT ALL REQUIRED REMOVALS ARE SHOWN. REFER TO M-105 FOR COMPLETE REMOVALS PLAN.

KEYED NOTES:

- PROVIDE HOUSE KEEPING PAD PER DETAIL 6M-501.
- PROVIDE OFFSET IN PIPING TO ALLOW FOR ACCESS TO EXISTING EXPANSION TANK. MAINTAIN AREA WITHIN 6" OF ALL SIDES AND DIRECTLY BELOW CLEAR FOR FUTURE SERVICING.
- RE-INSTALL TEMPORARILY REMOVED 40x20 RADIUS ELBOW AND APPROXIMATELY 8' OF 40x20 RISER FROM FLOOR LEVEL UP TO APPROXIMATELY 8' AFF.
- REMOVE EXISTING STACKED AIR HANDLING UNITS IN A PHASED MANNER TO MAINTAIN CONTINUOUS BUILDING OPERATION. REMOVE THE UPPER AIR HANDLING UNIT FIRST WHILE THE LOWER UNIT REMAINS FULLY OPERATIONAL. PROVIDE REPLACEMENT AHU93-3A (UPPER UNIT) ON STRUCTURAL SUPPORT. PROVIDE DUCT CONNECTIONS, ELECTRICAL CONNECTIONS, AND CONTROLS ACCOMMODATIONS TO MAINTAIN UNINTERRUPTED OPERATION OF THE REPLACEMENT UPPER UNIT WITH THE EXISTING LOWER UNIT TEMPORARILY UNTIL THE LOWER UNIT CAN BE REPLACED. REMOVAL OF THE LOWER AIR HANDLING UNIT SHALL NOT OCCUR UNTIL THE REPLACEMENT UPPER UNIT IS INSTALLED, FULLY OPERATIONAL, TESTED, AND ACCEPTED. COORDINATE ALL WORK WITH THE DIRECTOR'S REPRESENTATIVE TO ENSURE MINIMAL DOWNTIME TO THE FACILITY.
- BASE MOUNTED END SUCTION PUMP. REFER TO DETAIL 5M-501.
- REFER TO DETAIL 7M-501 FOR PIPING DETAIL AT AIR SEPARATOR AND EXPANSION TANK.
- 40X20 RELIEF AIR DAMPER ASSOCIATED WITH AHU93-2.
- 40X40 RELIEF AIR DAMPER ASSOCIATED WITH AHU93-1.
- TEMPORARILY REMOVE AND SECURELY STORE EXISTING OUTSIDE AIR INTAKE LOUVER TO ALLOW FOR EQUIPMENT TRANSPORT THROUGH WALL OPENING. COVER OPENING WHEN NOT IN USE WITH PLYWOOD AND WOOD FRAMING. REINSTALL LOUVER AND OUTSIDE AIR INTAKE PLENUM WHEN EQUIPMENT TRANSPORT IS COMPLETE. COORDINATE DURATION OF WALL OPENING WITH DIRECTOR'S REPRESENTATIVE.



TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

WARNING:

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REGISTRATION EXPIRES: 02/28/2026

CONTRACT:

HVAC

TITLE:

REPLACE CONDENSING UNITS BUILDINGS 1, 8, 26 AND 93

LOCATION:

EASTERN CORRECTIONAL FACILITY 30 INSTITUTION ROAD NAPANOCH, NY

CLIENT:

DEPT. OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
△	3/2/2026	ADDENDUM 01
	8/6/2025	BID DOCUMENT
PROJECT NUMBER: M3210 - H		
DESIGNED BY: DJB		
DRAWN BY: APS		
FIELD CHECK: KF		
APPROVED: DPL		
SHEET TITLE:		

BLDG 93 PENTHOUSE INSTALLATION PLAN

DRAWING NUMBER:

M-106



SAGE ENGINEERING ASSOCIATES, LLP

SAGE ENGINEERING PROJECT NO. 4231

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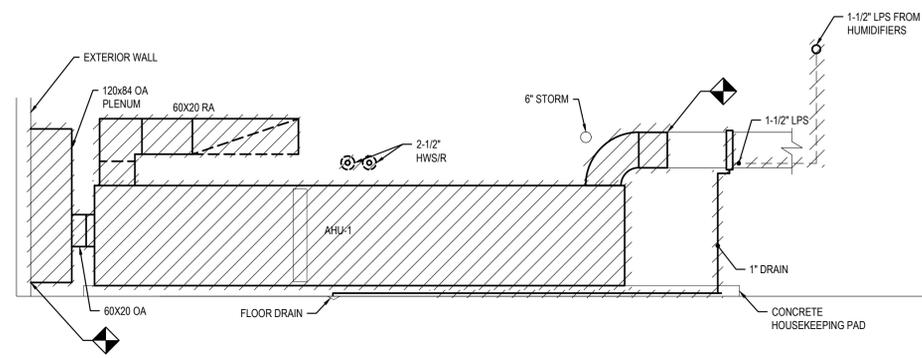
REGISTRATION EXPIRES: 02/28/2026

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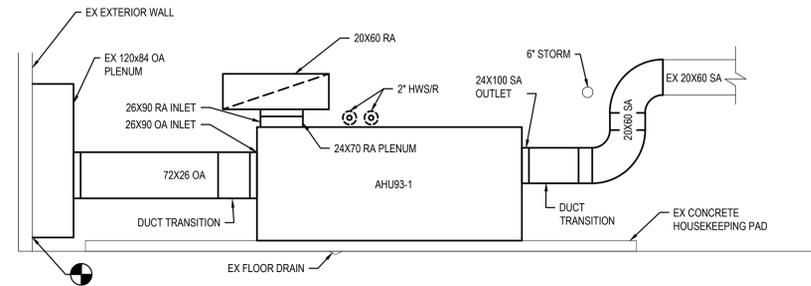
TITLE: REPLACE CONDENSING UNITS BUILDINGS 1, 8, 26 AND 93

LOCATION: EASTERN CORRECTIONAL FACILITY 30 INSTITUTION ROAD NAPANOCH, NY

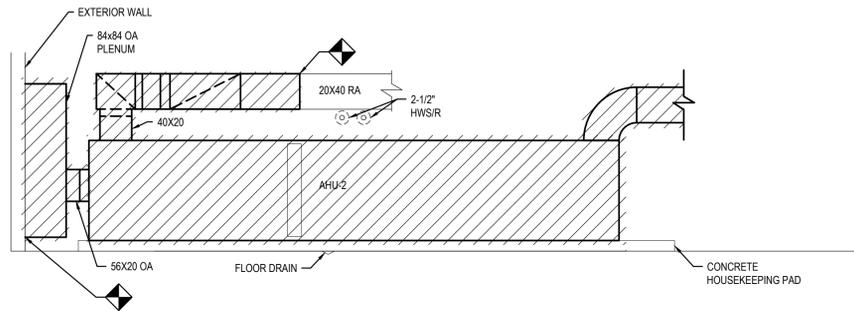
CLIENT: DEPT. OF CORRECTIONS AND COMMUNITY SUPERVISION



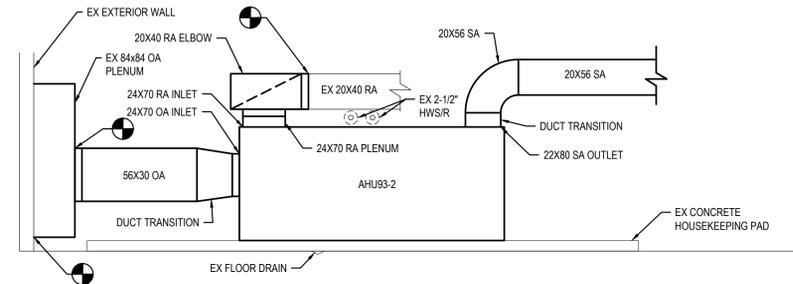
1 BLDG. 93 PENTHOUSE REMOVALS SECTION AT AHU-1
M-301 SCALE: 1/4" = 1'-0"



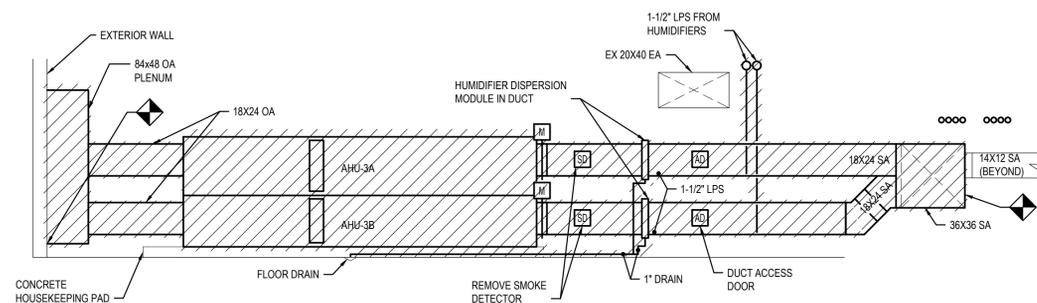
2 BLDG. 93 PENTHOUSE INSTALLATION SECTION AT AHU-1
M-301 SCALE: 1/4" = 1'-0"



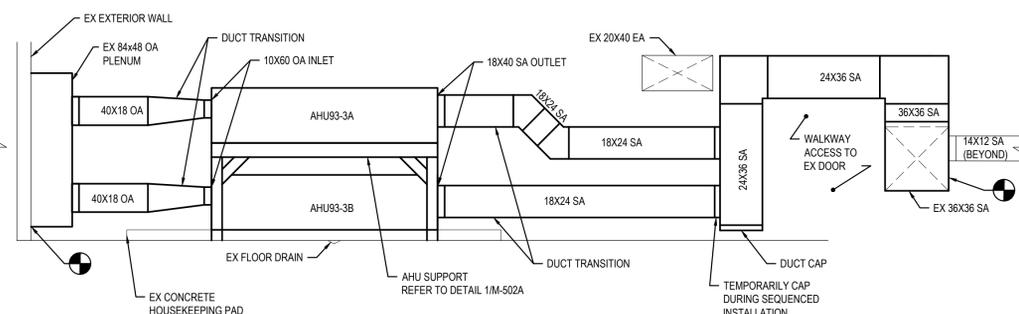
3 BLDG. 93 PENTHOUSE REMOVALS SECTION AT AHU-2
M-301 SCALE: 1/4" = 1'-0"



4 BLDG. 93 PENTHOUSE INSTALLATION SECTION AT AHU-2
M-301 SCALE: 1/4" = 1'-0"



5 BLDG. 93 PENTHOUSE REMOVALS SECTION AT AHU-3A AND AHU-3B
M-301 SCALE: 1/4" = 1'-0"

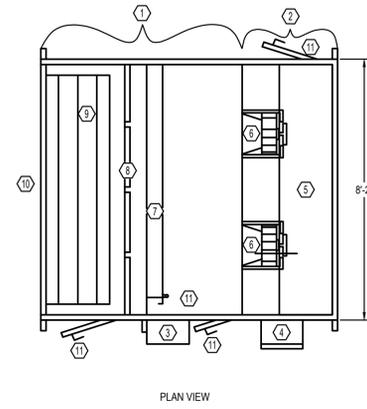


6 BLDG. 93 PENTHOUSE INSTALLATION SECTION AT AHU-3A AND AHU-3B
M-301 SCALE: 1/4" = 1'-0"

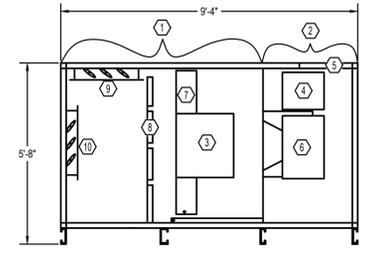
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DESIGNED BY:	DJB	
DRAWN BY:	APS	
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APPROVED:	DPL	

SECTIONS

DRAWING NUMBER: M-301



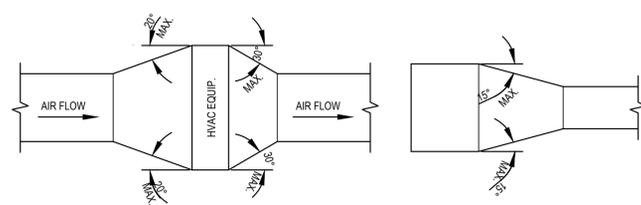
PLAN VIEW



ELEVATION VIEW

- ① SHIPPING SECTION 1: 1,975 LBS
- ② SHIPPING SECTION 2: 1,069 LBS
- ③ VARIABLE FREQUENCY DRIVE
- ④ EXTERNAL CONTROL BOX
- ⑤ SUPPLY AIR DUCT TOP CONNECTION 94"x20"
- ⑥ SUPPLY FAN
- ⑦ DX COOLING COIL
- ⑧ FILTER
- ⑨ RETURN AIR DUCT TOP CONNECTION WITH MOTORIZED DAMPER 84"x24"
- ⑩ OUTSIDE AIR DUCT CONNECTION WITH MOTORIZED DAMPER 84"x24"
- ⑪ ACCESS DOOR

1 AIR HANDLING UNIT BUILDING 1 AHU-1 CONFIGURATION DETAIL
M-502 SCALE: NTS



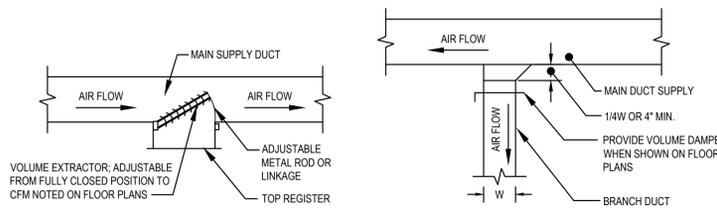
TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT PLAN OR SIDE VIEW

TYPICAL DUCTWORK TRANSITION PLAN OR SIDE VIEW

NOTE:

- 1. UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

3 DUCTWORK TRANSITION DETAILS
M-502 SCALE: NO SCALE

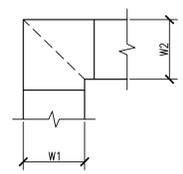


SUPPLY REGISTER TAKE-OFF PLAN VIEW

BRANCH DUCT TAKE-OFF PLAN VIEW

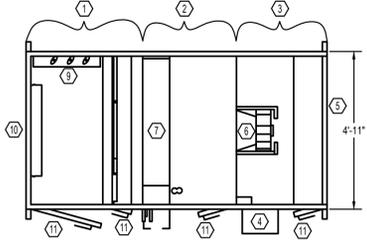
NOTE:
PROVIDE ACCESS DOOR, MINIMUM SIZE OF 8x8, AT EACH LOCATION OF VOLUME EXTRACTOR AND VOLUME DAMPER.

6 SUPPLY DUCTWORK TAKEOFF DETAILS
M-502 SCALE: NO SCALE



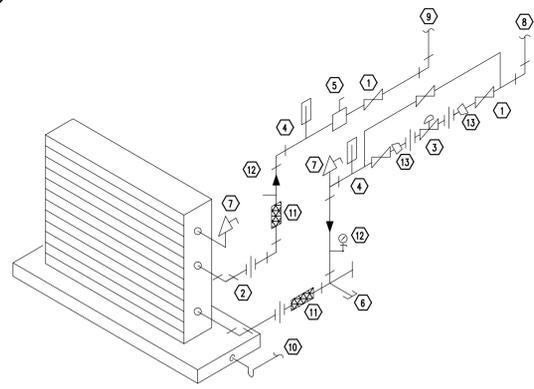
- DETAIL NOTES:
1. ALL VANED ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
 2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE VANE TYPE REGARDLESS OF W DIMENSION.
 3. ALL SINGLE VANES SHALL HAVE A 2" RADIUS, 1 1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
 4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" VANES SHALL BE DOUBLE VANE TYPE.

7 DUCTWORK SQUARED ELBOW DETAIL
M-502 SCALE: NO SCALE

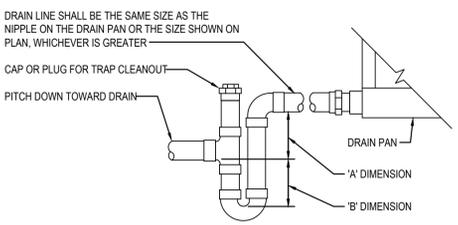


2 AIR HANDLING UNIT BUILDING 26 AHU-1 CONFIGURATION DETAIL
M-502 SCALE: NTS

- ① SHIPPING SECTION 1: 660 LBS
- ② SHIPPING SECTION 2: 660 LBS
- ③ SHIPPING SECTION 3: 660 LBS
- ④ EXTERNAL CONTROL BOX
- ⑤ SUPPLY AIR DUCT CONNECTION 62"x12"
- ⑥ SUPPLY FAN
- ⑦ DX COOLING COIL
- ⑧ FILTER
- ⑨ RETURN AIR DUCT CONNECTION WITH MOTORIZED DAMPER 26"x26"
- ⑩ OUTSIDE AIR DUCT CONNECTION WITH MOTORIZED DAMPER 36"x20"
- ⑪ ACCESS DOOR



4 TYPICAL CHILLED WATER COOLING COIL CONDENSATE TRAP DETAIL
M-502 SCALE: NTS

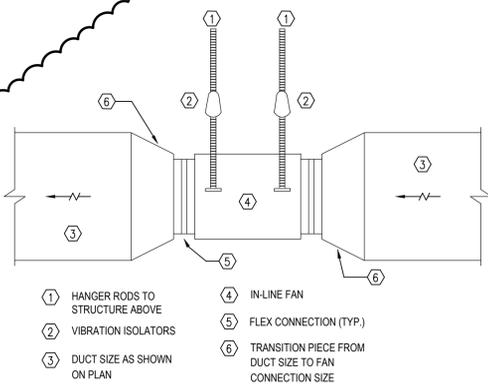


- DRAW THRU UNITS
A = FAN T.S.P. + 1"
B = 1/2 A
- BLOW THRU UNITS
A = 1"
B = FAN T.S.P. + 1"

AHU-93-3A AND AHU-93-3B ARE DRAW THRU TYPE UNITS WITH FAN T.S.P = 5.2"

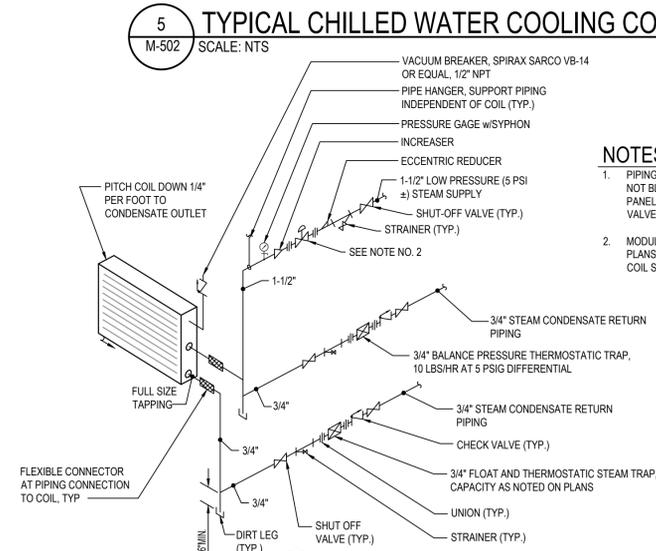
- ① 1" BALANCE PRESSURE THERMOSTATIC TRAP, 200 LBS/HR AT 10 PSIG DIFFERENTIAL
- ② STRAINER WITH BLOWDOWN
- ③ UNION (TYP.)
- ④ SHUT-OFF VALVE (TYP.)
- ⑤ CONDENSATE AS SHOWN ON PLANS
- ⑥ DIRT LEG, MIN. 6" LONG, MATCH MPS MAIN DIAMETER
- ⑦ CHECK VALVE

8 END OF LINE STEAM TRAP DETAIL
M-502 SCALE: NO SCALE



- ① HANGER RODS TO STRUCTURE ABOVE
- ② VIBRATION ISOLATORS
- ③ DUCT SIZE AS SHOWN ON PLAN
- ④ IN-LINE FAN
- ⑤ FLEX CONNECTION (TYP.)
- ⑥ TRANSITION PIECE FROM DUCT SIZE TO FAN CONNECTION SIZE

10 TYPICAL INLINE FAN DETAIL
M-502 SCALE: NO SCALE



9 STEAM COIL PIPING DETAIL
M-502 SCALE: NO SCALE

- NOTES:
1. PIPING SHALL BE INSTALLED IN SUCH MANNER THAT IT WILL NOT BLOCK THE SWING OR USE OF ACCESS DOORS OR PANELS; NEITHER SHALL IT BLOCK THE SERVICING OF FILTERS, VALVES, OR EQUIPMENT.
 2. MODULATING TYPE CONTROL VALVE, SIZE AS NOTED ON PLANS, PER SPECIFICATION SECTION 230923 FOR MAXIMUM COIL STEAM FLOW RATE.

- ① SHUT-OFF VALVE (TYP.)
- ② UNION (TYP.)
- ③ BALANCING VALVE
- ④ THERMOMETER
- ⑤ HEATING COIL
- ⑥ HOSE END DRAIN VALVE WITH CHAIN AND CAP
- ⑦ MANUAL AIR VENT
- ⑧ HWS
- ⑨ HWR
- ⑩ 2-WAY MODULATING CONTROL VALVE
- ⑪ PIPE REDUCER (TYP.)
- ⑫ FLEXIBLE PIPE CONNECTOR (TYP.)
- ⑬ PRESSURE GAUGE (TYP.)

11 TYPICAL AHU HEATING COIL DETAIL
M-502 SCALE: NTS

CONSULTANT
CERTIFICATE OF AUTHORIZATION #: 0018644



SAGE ENGINEERING ASSOCIATES, LLP

SAGE ENGINEERING PROJECT NO. 4231

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02/28/2026

CONTRACT: HVAC

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CLIENT: DEPT. OF CORRECTIONS AND COMMUNITY SUPERVISION

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DESIGNED BY:	DJB	
DRAWN BY:	AHZ	
FIELD CHECK:	KF	
APPROVED:	DPL	

DETAILS - SHEET 2

DRAWING NUMBER:
M-502

BUFFER TANK SCHEDULE BUILDING 93										
TAG	SERVICE	TANK TYPE	FLUID TYPE	VOLUME (GAL)	DIAMETER (INCHES)	LENGTH (INCHES)	FLANGED CONNECTION SIZE INLET/OUTLET (INCHES / INCHES)	DRY WEIGHT (LBS.)	BASIS OF DESIGN MFG. AND MODEL	REMARKS
BT93-1	CHILLED WATER	HORIZONTAL	40% PROPYLENE GLYCOL	400	36	98	4 / 4	715	NILES STEEL BUFFER TANK CBT-36-094	ALL

1. PROVIDE WITH FACTORY INSTALLED SADDLES FOR HORIZONTAL INSTALLATION

AIR SEPARATOR SCHEDULE BUILDING 93				
TAG	DESIGN FLOWRATE (GPM)	RATED FLOWRATE (GPM)	TANK CONNECTION SIZE INLET / OUTLET	REMARKS
AS93-1	250	300	4" / 4"	NONE

EXPANSION TANK SCHEDULE BUILDING 93													
TAG	TYPE	FLUID TYPE	ACCEPTANCE REQUIRED (GAL)	TANK CAPACITY (GAL)	MIN. TEMP. (DEG. F)	MAX. TEMP. (DEG. F)	MIN. PRESSURE (PSIG)	MAX. PRESSURE (PSIG)	DIAMETER (IN.)	HEIGHT (IN.)	ASME RATING (PSIG)	REMARKS	
ET93-1	BLADDER	40% PROPYLENE GLYCOL	24.4	132	40	90	70	90	24	85-3/4	125	ALL	

CALIBRATED BALANCING VALVE SCHEDULE		
TERMINAL UNIT OR COIL FLOW RATE RANGE (GPM)	BALANCING VALVE SIZE (INCHES)	REMARKS
0 TO 2.5	1/2	1
2.6 TO 4.5	3/4	1
4.6 TO 9.0	1	1
9.1 TO 22.0	1-1/4	1
22.1 TO 35.0	1-1/2	1
35.1 TO 78.0	2	1
78.1 TO 120.0	2-1/2	1
120.1 TO 200.0	3	1
200.1 TO 400	4	1
400.1 TO 500.0	5	1
500.1 TO 800.0	6	1
800.1 TO 1200.0	8	1
1200.1 TO 2200.0	10	1

1. PROVIDE BALANCING VALVE OF SIZE LISTED FOR TERMINAL UNIT/COIL FLOW RATE RANGES LISTED REGARDLESS OF PIPE LINE SIZE THE TERMINAL UNIT IS CONNECTED IN.

PUMP SCHEDULE BUILDING 93															
TAG	SERVICE	TYPE	FLOW (GPM)	HEAD (FT.)	EFFICIENCY AT DUTY POINT (%)	RPM	IMPELLER DIA FOR DUTY POINT (IN.)	SUCTION X DISCHARGE (IN. X IN.)	FLUID TYPE	FLUID TEMP (°F)	ELECTRICAL DATA			BASIS OF DESIGN MANUFACTURER & MODEL NO.	REMARKS
											BRAKE HP	MOTOR HP	VOLTS / PHASE		
CHWP-1	CH93-1, CH93-2	END SUCTION	250	100	73.6	1,800	10.625	3 X 2	40% PROPYLENE GLYCOL	60	8.54	10	208 / 3	BELL AND GOSSETT e-1510 2EB	ALL
CHWP-2	CH93-1, CH93-2	END SUCTION	250	100	73.6	1,800	10.625	3 X 2	40% PROPYLENE GLYCOL	60	8.54	10	208 / 3	BELL AND GOSSETT e-1510 2EB	ALL



CHILLER SCHEDULE - AIR COOLED TYPE BUILDING 93																													
TAG	TYPE	CAPACITY (TONS)	EER AT DESIGN CONDITIONS (BTU/WattH)	IPLV AT DESIGN CONDITIONS (BTU/WattH)	RATED EER (BTU/WattH)	RATED IPLV (BTU/WattH)	REFRIGERANT			COMPRESSOR		EVAPORATOR						CONDENSER				ELECTRICAL				LENGTH x WIDTH x HEIGHT (IN x IN x IN)	OPERATING WEIGHT (POUNDS)	BASIS OF DESIGN MANUFACTURER & MODEL NO.	REMARKS
							TYPE	REFRIGERANT CIRCUITS QTY	TOTAL CHARGE (LBS)	TYPE	QUANTITY	MIN / MAX FLOW (GPM)	DESIGN FLOW (GPM)	EWT (°F)	LWT (°F)	PRESSURE DROP AT DESIGN FLOW (FT)	PRESSURE DROP MIN / MAX (FT)	FOULING FACTOR	FLUID	FAN QTY	DESIGN AMBIENT AIR	VOLTS	PHASE	MCA	MOCP				
CH93-1	AIR COOLED	93.5	11.58	19.14	11.58	-	R32	2	90	SCROLL	4	127 / 381	246	55	45	17.0	6.8 / 33.2	0.0001	40% PROPYLENE GLYCOL	8	95.0	208	3	432	500	170 x 88 x 99	6,900	DAIKIN AGZ008F	ALL
CH93-2	AIR COOLED	93.5	11.58	19.14	11.58	-	R32	2	90	SCROLL	4	127 / 381	246	55	45	17.0	6.8 / 33.2	0.0001	40% PROPYLENE GLYCOL	8	95.0	208	3	432	500	170 x 88 x 99	6,900	DAIKIN AGZ008F	ALL

1. CHILLER MUST SHIP BAGGED FROM THE FACTORY TO AVOID DAMAGE FROM ROAD CONDITIONS.
2. PROVIDE LOUVERS FOR CONDENSER COILS.
3. PROVIDE WITH BACNET IP COMMUNICATION CONTROL CAPABILITIES.
4. PROVIDE RUBBER-IN-SHEAR VIBRATION ISOLATORS FOR FIELD INSTALLATION. MOUNT CHILLER ON VIBRATION ISOLATORS.
5. PROVIDE GROUND FAULT PROTECTION AND 115 V CONVENIENCE RECEPTACLE.
6. RATED EER AND IPLV CONDITIONS LIST PERFORMANCE POINTS AT 100% LOAD AT AHRI STANDARD CONDITION WITH WATER. UNIT IS RATED FOR GLYCOL.
7. PROVIDE WITH RAPID RESTORE TECHNOLOGY TO ENSURE QUICK RESTART FOLLOWING POWER INTERRUPTION.
8. UNIT BASED ON R-32 REFRIGERANT DESIGN. ALTERNATE REFRIGERANTS MUST MEET THE DIMENSIONAL AND ELECTRICAL REQUIREMENTS AS SCHEDULED OR CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL MATERIALS AND LABOR.

DUCT MOUNTED STEAM COIL SCHEDULE BUILDING 1												
TAG	SIZE	FACE VELOCITY (FPM)	CFM	EAT°F	LAT°F	STEAM PRESSURE (PSIG)	APD (IN WC) MAX	FINS PER IN.	CONDENSATION RATE (LBS/HR)	TOTAL CAPACITY (MBH)	NO. ROWS	REMARKS
SC-1	66" x 18"	654	5,400	41.6	90	5	0.15	9	310	298.5	1	ALL
SC-2	42" x 18"	667	3,500	41.6	90	5	0.15	8.5	192	184.3	1	ALL
SC-3	36" x 20"	660	3,300	41.6	90	5	0.15	8.5	182	174.7	1	ALL

NOTES:
PIPING CONNECTIONS ON SIDE AS INDICATED ON DRAWING.
COILS SHALL BE MOUNTED IN A STAINLESS STEEL FRAME WITH FLANGES FOR DUCT CONNECTION.
COILS SHALL BE INSTALLED WITH FACTORY INSTALLED STAINLESS STEEL DOUBLE SLOPED DRAIN PAN.
FIN THICKNESS = 0.01 IN.

AIR COOLED CONDENSER SCHEDULE BUILDING 1 AND BUILDING 26																		
TAG	SERVICE	CONDENSER			TOTAL CAPACITY (MBH)	REFRIGERANT TYPE	CHARGE (CIRCUIT 1 / CIRCUIT 2)	DIMENSIONS	WEIGHT (LBS)	IEER	EER	ELECTRICAL					BASIS OF DESIGN MANUFACTURER & MODEL NO.	REMARKS
		EAT (°F)	NO. FANS	FAN MOTOR (FLA)								VOLTS	PHASE	HERTZ	MCA	MOCP		
ACCU1-1	AHU-1-1	95	6	4.2	531.4	R32	48.5 LBS / 50.0 LBS	132.1"LONG X 96.5" WIDE X 89" TALL	5,370	17.6	12.6	208	3	60	231.6	300	DAIKIN DCSA045	ALL
ACCU26-1	AHU-26-1	95	4	4.2	291.16	R32	17.2 LBS / 18.6 LBS	76.1"LONG X 96.5" WIDE X 82.7" TALL	2,650	17.7	10.6	208	3	60	171.2	225	DAIKIN DCSA025	ALL

1. PROVIDE WITH SPRING VIBRATION ISOLATORS.
2. PROVIDE WITH HAIL GUARDS.

AIR HANDLING UNIT SCHEDULE BUILDING 1 AND BUILDING 26																															
TAG	SERVICE	SUPPLY FAN DATA							OUTSIDE AIR		COOLING SECTION										FILTER SECTION	ELECTRICAL DATA				BASIS OF DESIGN MANUFACTURER & MODEL NO.	REMARKS				
		CFM	TOTAL S.P. (IN.WC)	E.S.P. (IN.WC)	RPM	FAN ARRAY	TOTAL BRAKE POWER (HP)	MOTOR HP (QTY)	FAN EFFICIENCY	MINIMUM CFM	MAXIMUM CFM	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT DB (F)	EAT WB (F)	LAT DB (F)	LAT WB (F)	AIR PRESSURE DROP IN W.C.	REFRIGERANT	LIQUID ENTERING TXV	SATURATED SUCTION TEMP	SUCTION SUPERHEAT	FACE VELOCITY (FPM)	COILS / ROWS / FINS PER INCH	FILTER APD (IN W.C.) (CLEAN)			VOLTS	PHASE	MCA	MOCP
AHU1-1	BUILDING 1	12,000	1.86	1.0	2,232	1 X 2	7.26	6.7 (2)	48.4	3,300	12,000	516.1	347.2	80.0	67.0	53.4	52.6	0.58	R32	110 DEG F	44 DEG F	8 DEG F	414	1 / 4 / 14	0.17	200	3	37.4	50	DAIKIN CAH030GDCC	ALL
AHU26-1	BUILDING 26	5,000	1.57	0.5	1,921	1 X 1	2.57	4.8 (1)	48.1	0	5,000	296.6	296.6	110.0	67.0	51.1	43.8	0.29	R32	110 DEG F	44 DEG F	8 DEG F	418	1 / 8 / 8	0.16	200	3	12.6	20	DAIKIN CAH012GDCC	ALL

1. PROVIDE ONE VFD PER FAN ARRAY. NOT PROVIDED BY EQUIPMENT MANUFACTURER.
2. ALL CONTROLS EQUIPMENT AT AHU MUST BE POWERED BY CONTRACTOR.
3. PROVIDE FIELD KNOCK DOWN AND ASSEMBLY ALONGSIDE AHU COMPANY FIELD ADVISOR SUPERVISION.

DUCTLESS SPLIT SYSTEM AIR HANDLER/ CONDENSING UNIT BUILDING 8																													
HIGH WALL MOUNT AIR HANDLER SECTION													CONDENSING UNIT																
TAG	SERVICE	MOUNTING	PEAK FAN AIRFLOW (CFM)	COOLING TOTAL CAPACITY (BTU/H)	COOLING SENSIBLE CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	ELECTRICAL				DIMENSIONS	WEIGHT (LBS)	BASIS OF DESIGN MANUFACTURER & MODEL NO.	TAG	COOLING CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	EER	IEER	COP	ELECTRICAL DATA					REFRIGERANT TYPE / CHARGE	DIMENSIONS / WEIGHT	BASIS OF DESIGN MANUFACTURER & MODEL NO.	REMARKS	
							VOLTS	PHASE	HZ	MCA										MOCP	VOLTS	PHASE	HZ	MCA					MOCP
AH8-1	CLASSROOM	WALL	918	30,063	22,107	31,277	208	1	60	0.63	15	46-1/16"L x 11-5/8"D x 14-3/8"H	46	MITSUBISHI TPKFY030KM142B	ACCU8-1	73,219	62,555	12.2	22.2	4.0	208	3	60	32	50	R410A / 14 LBS 5 OZ	71-5/8"H x 35-1/4"W x 29-3/16"D / 512 LBS	MITSUBISHI TUHYE0723AN41AN	ALL
AH8-2	CLASSROOM	WALL	918	30,063	22,107	31,277	208	1	60	0.63	15	46-1/16"L x 11-5/8"D x 14-3/8"H	46	MITSUBISHI TPKFY030KM142B															

1. OUTDOOR UNIT BASED ON DESIGN HEATING OUTDOOR TEMPERATURE OF -6.5 DEG F WB. DESIGN COOLING OUTDOOR TEMPERATURE OF 91.0 DEG F WB. GUARANTEED OPERATING RANGE-COOLING: 23 DEG F TO 126 DEG F. HEATING: -13 DEG F TO 60 DEG F.
2. INDOOR UNITS BASED ON DESIGN HEATING ENTERING TEMPERATURE OF 70 DEG F. DESIGN COOLING ENTERING TEMPERATURE OF 80.0 DEG F DB, 67.0 DEG F WB.
3. PROVIDE WITH PAC-UKPR001-CN-1 BACNET INTERFACE MODULE (ONE PER INDOOR UNIT), AND DELUXE MA REMOTE CONTROLLER TAR-41MAAU, OR EQUAL.
4. PROVIDE WITH AIR OUTLET GUIDE AND CENTRALIZED DRAIN PAN WITH DRAIN SOCKET. EXTEND DRAIN THROUGH OUTSIDE WALL.
5. INTEGRATE 2-WAY HOT WATER CONTROL VALVE WITH AIR HANDLER TO PROVIDE FIRST STAGE OF HEAT USING PERIMETER FIN TUBE. PROVIDE CN2RELAY-KIT-0M3 OR EQUAL.
6. PROVIDE WITH CONVENIENCE OUTLET GFCI.



CONTRACT:	HVAC
TITLE:	REPLACE CONDENSING UNITS BUILDINGS 1, 8, 26 AND 93
LOCATION:	EASTERN CORRECTIONAL FACILITY 30 INSTITUTION ROAD NAPANOCH, NY
CLIENT:	DEPT. OF CORRECTIONS AND COMMUNITY SUPERVISION

DATE:	3/2/2026	ADDENDUM 01
DATE:	8/6/2025	BID DOCUMENT
MARK:		DESCRIPTION
PROJECT NUMBER:	M3210 - H	
DESIGNED BY:	DJB	
DRAWN BY:	AHZ	
FIELD CHECK:	KF	
APPROVED:	DPL	
SHEET TITLE:	SCHEDULES	
DRAWING NUMBER:	M-601	
SHEET:	23	of 42



SAGE ENGINEERING ASSOCIATES, LLP

SAGE ENGINEERING PROJECT NO. 4231

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

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REGISTRATION EXPIRES: 02/28/2026

CONTRACT:

HVAC

TITLE:
REPLACE CONDENSING UNITS
BUILDINGS 1, 8, 26 AND 93

LOCATION:
EASTERN CORRECTIONAL FACILITY
30 INSTITUTION ROAD
NAPANOCH, NY

CLIENT:
DEPT. OF CORRECTIONS AND
COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
△	3/2/2026	ADDENDUM 01
	8/6/2025	BID DOCUMENT
PROJECT NUMBER:		M3210 - H
DESIGNED BY:		DJB
DRAWN BY:		APS
FIELD CHECK:		KF
APPROVED:		DPL

SHEET TITLE:
BLDG 93 PENTHOUSE
REMOVALS PLAN

DRAWING NUMBER:
M-105A

ROOF GENERAL NOTES:

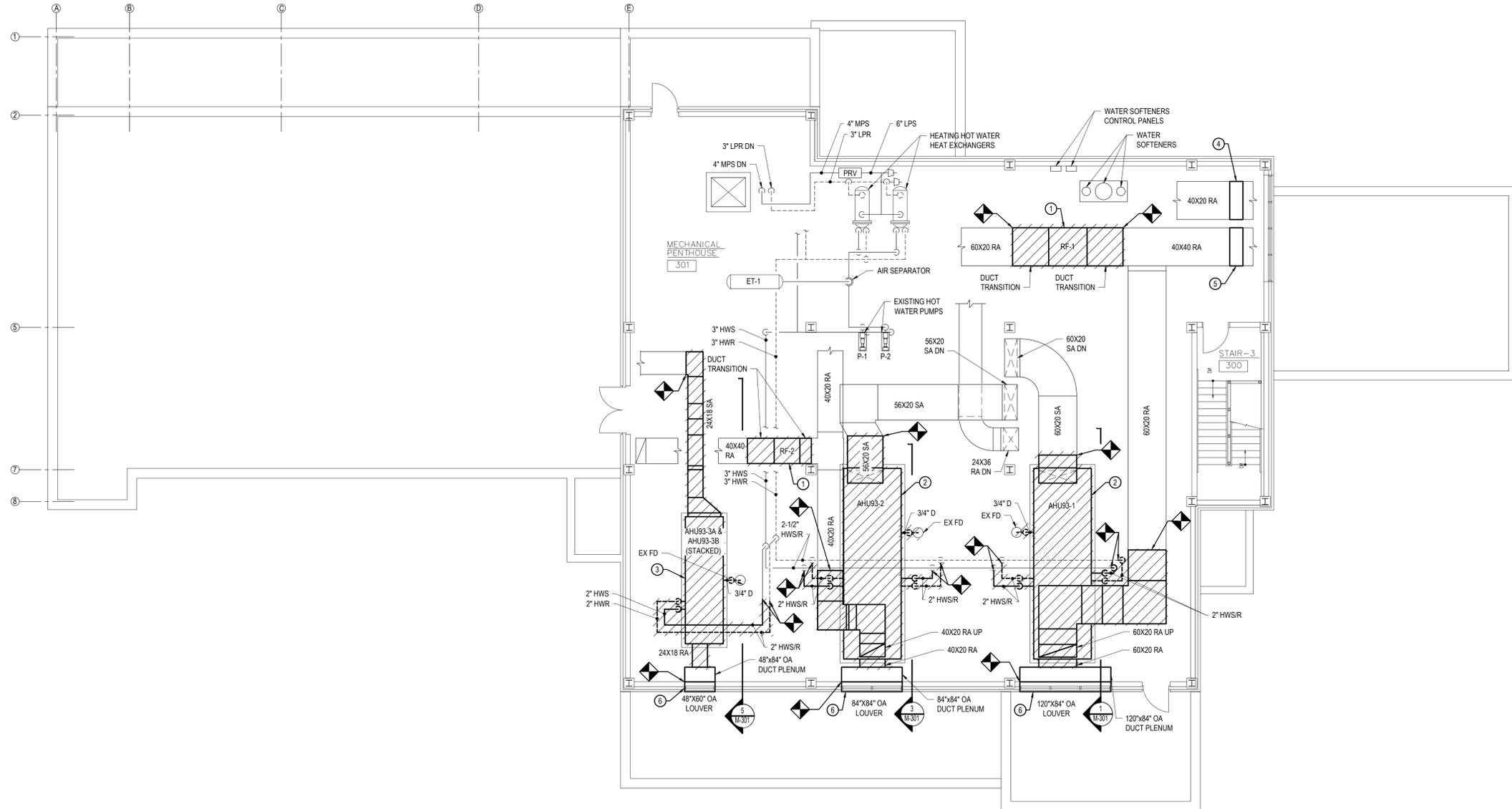
- ACCU-93-1, ACCU-93-2, ACCU-93-3A, AND ACCU-93-3B AND THEIR ASSOCIATED DX COOLING COILS ARE ALL BEING REPLACED UNDER THIS PROJECT WITH (2) CHILLERS AND CHILLED WATER COILS. THE REPLACEMENT EQUIPMENT HAS BEEN LAYED OUT IN SUCH A WAY THAT DOWNTIME CAN BE MINIMIZED.
- THE ROOF IS BEING REPLACED IN THIS PROJECT UNDER THE CONSTRUCTION CONTRACT. THE ROOFING WILL BE COMPLETED IN PHASES, IN WHICH THE SOUTH PORTION OF THE ROOF WILL BE COMPLETED FIRST.
 - DURING THE FIRST PHASE OF ROOF REPLACEMENT, INSTALL THE CHILLERS AS WELL AS THE TEMPORARY ROOF SUPPORTS AND COMPLETE THE INTERIOR SCOPE OF WORK IN BUILDING 93. ONCE THE REPLACEMENT CHILLED WATER SYSTEM IS CONSTRUCTED AND ACCEPTABLE TO THE DIRECTOR'S REPRESENTATIVE, THE SECOND PHASE OF THE ROOF REPLACEMENT MAY OCCUR.
 - THE SECOND PHASE OF THE ROOF REPLACEMENT INVOLVED REMOVAL OF THE EXISTING ROOF MOUNTED CONDENSING UNITS AND PIPE SUPPORTS AND INSTALLATION OF THE PERMANENT PIPE SUPPORTS.
- COORDINATE SCHEDULE WITH DIRECTOR'S REPRESENTATIVE AND C-CONTRACT.
- EACH CONTRACT IS RESPONSIBLE FOR TRANSPORT OF MATERIALS AND EQUIPMENT THROUGH THE BUILDING AND ACROSS THE ROOF RELATED TO THEIR WORK SCOPE. CONSTRUCTION LOADS SHALL NOT EXCEED MINIMUM LIVE LOADS AS REQUIRED IN THE 2020 BUILDING CODE OF NEW YORK STATE. PROVIDE ALL TEMPORARY SHORING, BRACING, AND PROTECTION REQUIRED TO ENSURE THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING.
- DO NOT STAGE, STORE OR TRANSPORT EQUIPMENT AND MATERIALS ACROSS THE ROOF THAT EXCEED 600 LBS. THE SUBCONTRACTOR IS RESPONSIBLE FOR ALL TRANSPORT OF EQUIPMENT AND MATERIALS RELATED TO THEIR WORK CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LOADS. PROVIDE ALL TEMPORARY SHORING, BRACING, AND PROTECTION REQUIRED TO ENSURE THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING.

GENERAL NOTES:

- EXISTING AIR HANDLING UNIT AHU-1 AND AHU-2 PROVIDE VENTILATION AIR FOR BUILDING 93 AND MUST OPERATE CONTINUOUSLY THROUGHOUT THE SUMMER MONTHS. IF NECESSARY, A SHUTDOWN DURING THE SUMMER MONTHS OF 8-HOURS MAY BE ACCOMMODATED. COMPLETE REPLACEMENT OF THE AIR HANDLING UNITS MUST OCCUR BETWEEN SEPTEMBER 15 AND APRIL 1. DURING THIS TIME, IT IS ACCEPTABLE TO RUN THE RETURN FANS FOR VENTILATION. A SHUTDOWN ON 48 HOURS IS ACCEPTABLE FOR RETURN FAN REPLACEMENT. REFER TO SPECIFICATION SECTION 011000 SUMMARY OF THE WORK FOR RESTRICTED WORK PERIOD. COORDINATE SHUT DOWN WITH DIRECTOR'S REPRESENTATIVE AT LEAST 5 DAYS IN ADVANCE.
- EXISTING AIR HANDLING UNIT AHU-3A AND AHU-3B PROVIDE VENTILATION AIR FOR BUILDING 93 ISOLATION ROOMS. THE UNITS ARE REDUNDANT AND EACH AIR HANDLING UNIT HAS THE CAPACITY TO HANDLE THE LOAD OF THE BUILDING 93 ISOLATION ROOMS. AT LEAST ONE AIR HANDLING UNIT MUST BE OPERATIONAL AT ALL TIMES WITH THE EXCEPTION OF A 4-HOUR SHUT DOWN FOR DUCT CONNECTIONS. REFER TO SPECIFICATION SECTION 011000 SUMMARY OF THE WORK FOR RESTRICTED WORK PERIOD. COORDINATE SHUT DOWN WITH DIRECTOR'S REPRESENTATIVE AT LEAST 5 DAYS IN ADVANCE.

KEYED NOTES:

- REMOVE EXHAUST FAN, SUPPORTS, DUCT TRANSITIONS AND CONNECTIONS, CONTROLS AND CONTROLS WIRING.
- REMOVE AIR HANDLING UNIT, DUCT CONNECTIONS, HOT WATER PIPING CONNECTIONS, REFRIGERANT PIPING CONNECTIONS, DRAIN PIPING CONNECTIONS, AND CONTROLS AND CONTROLS WIRING. DISMANTLE EXISTING AIR HANDLING UNITS TO ALLOW REMOVAL THROUGH THE ACCESS PATH AND OPENINGS INDICATED ON THE DRAWINGS. PROVIDE ALL NECESSARY RIGGING EQUIPMENT AND PERSONNEL TO SAFELY TRANSPORT MATERIALS TO AND FROM THE WORK AREA.
- REMOVE EXISTING STACKED AIR HANDLING UNITS IN A PHASED MANNER TO MAINTAIN CONTINUOUS BUILDING OPERATION. REMOVE THE UPPER AIR HANDLING UNIT FIRST WHILE THE LOWER UNIT REMAINS FULLY OPERATIONAL. PROVIDE REPLACEMENT AHU93-3A (UPPER UNIT) ON STRUCTURAL SUPPORT, PROVIDE DUCT CONNECTIONS, ELECTRICAL CONNECTIONS, AND CONTROLS ACCOMMODATIONS TO MAINTAIN UNINTERRUPTED OPERATION OF THE REPLACEMENT UPPER UNIT WITH THE EXISTING LOWER UNIT TEMPORARILY UNTIL THE LOWER UNIT CAN BE REPLACED. REMOVAL OF THE LOWER AIR HANDLING UNIT SHALL NOT OCCUR UNTIL THE REPLACEMENT UPPER UNIT IS INSTALLED, FULLY OPERATIONAL, TESTED, AND ACCEPTED. COORDINATE ALL WORK WITH THE DIRECTOR'S REPRESENTATIVE TO ENSURE MINIMAL DOWNTIME TO THE FACILITY.
- REMOVE 40X20 RELIEF AIR DAMPER ASSOCIATED WITH AHU93-2.
- REMOVE 40X40 RELIEF AIR DAMPER ASSOCIATED WITH AHU93-1.
- TEMPORARILY REMOVE AND SECURELY STORE EXISTING OUTSIDE AIR INTAKE LOUVER TO ALLOW FOR EQUIPMENT TRANSPORT THROUGH WALL OPENING. COVER OPENING WHEN NOT IN USE WITH PLYWOOD AND WOOD FRAMING. REINSTALL LOUVER AND OUTSIDE AIR INTAKE PLENUM WHEN EQUIPMENT TRANSPORT IS COMPLETE. COORDINATE DURATION OF WALL OPENING WITH DIRECTOR'S REPRESENTATIVE.



1 BUILDING 93 PENTHOUSE PARTIAL REMOVALS PLAN
M-105A SCALE: 1/8" = 1'-0"

CONSULTANT
CERTIFICATE OF AUTHORIZATION #: 0018644



SAGE ENGINEERING ASSOCIATES, LLP

SAGE ENGINEERING PROJECT NO. 4231

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REGISTRATION EXPIRES: 02/28/2026

CONTRACT: HVAC
TITLE: REPLACE CONDENSING UNITS BUILDINGS 1, 8, 26 AND 93
LOCATION: EASTERN CORRECTIONAL FACILITY 30 INSTITUTION ROAD NAPANOCH, NY
CLIENT: DEPT. OF CORRECTIONS AND COMMUNITY SUPERVISION

FAN SCHEDULE BUILDING 93

TAG	LOCATION	SERVICE	TYPE	DISCHARGE POSITION	DRIVE	CFM	ESP IN W.C.	RPM	ELECTRICAL DATA				BASIS OF DESIGN MANUFACTURER & MODEL NO.	REMARKS
									BRAKE HP	MOTOR HP	VOLTS	PH.		
EF93-3A	BUILDING 93 UPPER ROOF	BUILDING 93 ISOLATION ROOMS	UTILITY SET ARRANGEMENT 4	UPBLAST	DIRECT	3,600	1.5	1,565	1.22	2	208	3	GREENHECK USF-18-A3	1, 2
EF93-3B	BUILDING 93 UPPER ROOF	BUILDING 93 ISOLATION ROOMS	UTILITY SET ARRANGEMENT 4	UPBLAST	DIRECT	3,600	1.5	1,565	1.22	2	208	3	GREENHECK USF-18-A3	1, 2
RF93-1	BUILDING 93 MEZZANINE MECHANICAL ROOM	BUILDING 93 FIRST FLOOR	CENTRIFUGAL INLINE	STANDARD	BELT	12,000	1.5	886	6.2	7.5	208	3	GREENHECK BSQ-300	1, 2, 3
RF93-2	BUILDING 93 MEZZANINE MECHANICAL ROOM	BUILDING 93 SECOND FLOOR	CENTRIFUGAL INLINE	STANDARD	BELT	7,600	1.5	1,061	3.5	5	208	3	GREENHECK BSQ-240	1, 2, 4

1. PROVIDE WITH GRAVITY BACKDRAFT DAMPER ON DOWNSTREAM SIDE OF FAN.
2. PROVIDE WITH COMBINATION FULL VOLTAGE MAGNETIC SAFETY SWITCH.
3. NOMINAL FULL-LOAD THREE PHASE MOTOR EFFICIENCY OF AT LEAST 89.5 AT 1,200 RPM.
4. NOMINAL FULL-LOAD THREE PHASE MOTOR EFFICIENCY OF AT LEAST 88.5 AT 1,200 RPM.

AIR HANDLING UNIT SCHEDULE BUILDING 93 (1 OF 2)

TAG	SERVICE	SUPPLY FAN DATA							OUTSIDE AIR		HEATING SECTION														
		CFM	TOTAL S.P. (IN.WC)	E.S.P. (IN.WC)	RPM	FAN ARRAY	TOTAL BRAKE POWER (HP)	MOTOR HP (QTY)	FAN EFFICIENCY	MINIMUM CFM	MAXIMUM CFM	FLUID	NUMBER OF COILS PER BANK	FACE VELOCITY (FPM)	CFM	GPM	EWT °F	LWT °F	TOTAL MBH	EAT °F	LAT °F	WPD (FT.)	APD (IN WC) MAX	FINS PER INCH	NO. ROWS
AHU93-1	FIRST FLOOR	15,700	4.79	1.75	3,127	2 X 3	17.22	3.5 (6)	68.9	4,800	15,700	WATER	2	535	15,700	29	180	159	302,521	48.0	65.6	2.8	0.14	6	1
AHU93-2	SECOND FLOOR	11,300	4.21	1.5	3,099	2 X 2	10.92	3.5 (4)	68.5	3,500	11,300	WATER	2	499	11,300	21	180	159	220,972	48	65.9	1.2	0.08	7	1
AHU93-3A	ISOLATION ROOMS	3,600	4.81	1.5	2,835	1 X 2	4.14	3.5 (2)	65.9	3,600	3,600	WATER	1	450	3,600	25	180	159	266,347	0	67.7	1.4	0.18	12	2
AHU93-3B	ISOLATION ROOMS	3,600	4.81	1.5	2,835	1 X 2	4.14	3.5 (2)	65.9	3,600	3,600	WATER													

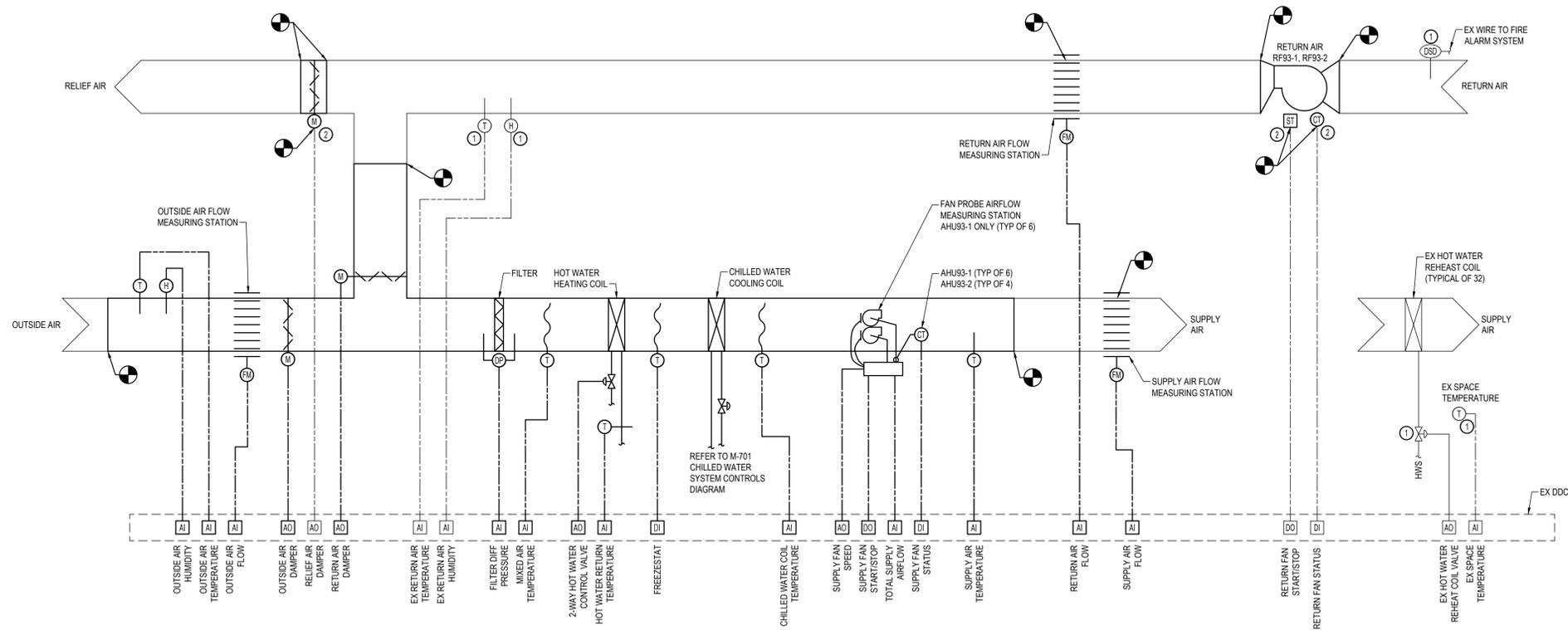
1. PROVIDE ECM FAN MOTORS AND FACTORY MOUNTED FUSED DISCONNECT.
2. ALL CONTROLS EQUIPMENT AT AHU MUST BE POWERED BY CONTRACTOR.

AIR HANDLING UNIT SCHEDULE BUILDING 93 CONTINUED (2 OF 2)

TAG	FLUID	NUMBER OF COILS PER BANK	FACE VELOCITY (FPM)	COOLING SECTION										FILTER SECTION				ELECTRICAL DATA				BASIS OF DESIGN MANUFACTURER & MODEL NO.	REMARKS			
				CFM	GPM	EWT °F	LWT °F	TOTAL MBH	SENSIBLE MBH	FLUID VELOCITY (FPS)	EDB °F	EWB °F	LDB °F	LWB °F	WPD (FT.)	APD (IN WC) MAX	FINS PER INCH	NO. ROWS	PREFILTER: TYPE / APD (CLEAN)	FILTER: TYPE / APD (CLEAN)	VOLTS			PHASE	MCA	MOCP
AHU93-1	40% PROPYLENE GLYCOL	2	518	15,700	113	45	55	525,486	411,128	2.5	78.0	65.0	54.1	53.9	13.3	1.05	12	8	PLEATED MERV 8 / 0.19 IN.W.C.	CARTRIDGE MERV 14 / 0.63 IN.W.C.	208	3	55.0	60.0	DAIKIN CAH035GDCM	ALL
AHU93-2	40% PROPYLENE GLYCOL	2	477	11,300	81	45	55	378,769	293,572	2.7	78.0	65.0	54.2	53.8	17.7	0.82	9	8	PLEATED MERV 8 / 0.17 IN.W.C.	CARTRIDGE MERV 14 / 0.56 IN.W.C.	208	3	37.4	45.0	DAIKIN CAH028GDCM	ALL
AHU93-3A	40% PROPYLENE GLYCOL	1	424	3,600	46	45	55	215,433	134,580	3.1	88.0	72.0	53.8	53.6	18.0	1.45	10	8	PLEATED MERV 8 / 0.16 IN.W.C.	CARTRIDGE MERV 14 / 0.54 IN.W.C.	208	3	19.8	25.0	DAIKIN CAH009GDCM	ALL
AHU93-3B	40% PROPYLENE GLYCOL	1	424	3,600	46	45	55	215,433	134,580	3.1	88.0	72.0	53.8	53.6	18.0	1.45	10	8	PLEATED MERV 8 / 0.16 IN.W.C.	CARTRIDGE MERV 14 / 0.54 IN.W.C.	208	3	19.8	25.0	DAIKIN CAH009GDCM	ALL

1. PROVIDE ECM FAN MOTORS AND FACTORY MOUNTED FUSED DISCONNECT.
2. ALL CONTROLS EQUIPMENT AT AHU MUST BE POWERED BY CONTRACTOR.

MARK	DATE	DESCRIPTION
△	3/2/2026	ADDENDUM 01
	8/6/2025	BID DOCUMENT
PROJECT NUMBER:	M3210 - H	
DESIGNED BY:	DJB	
DRAWN BY:	AHZ	
FIELD CHECK:	KF	
APPROVED:	DPL	
SHEET TITLE:	SCHEDULES	
DRAWING NUMBER:	M-601A	
SHEET	23A	of 42



1 AIR HANDLING UNIT BUILDING 93 AHU93-1 AND AHU93-2 CONTROLS DIAGRAM
M-703A SCALE: NTS

AIR HANDLING UNIT AHU93-1 AND AHU93-2 SEQUENCES OF OPERATION

1. UNIT DESCRIPTION:
 - A. AHU93-1 AND AHU93-2 IS A VARIABLE AIR VOLUME AIR HANDLER WITH ECM SUPPLY FANS, CONSTANT SPEED RETURN FANS, RETURN AIR DAMPERS, RELIEF AIR DAMPERS, OUTDOOR AIR DAMPERS, PREFILTER BANKS, HOT WATER HEATING COILS, CHILLED WATER COOLING COILS, AND HOT WATER REHEAT COILS LOCATED DOWNSTREAM OF THE UNIT.
2. CONTROLLER:
 - A. THE CONTROLS SYSTEM SHALL BE PLACED IN THE AUTOMATIC MODE VIA A BUTTON ON THE GRAPHIC DISPLAY.
 - B. ALARMS, AS INDICATED ON THE CONTROLS POINTS LIST, SHALL BE SET AT THE WORKSTATION IF THE CONTROL POINTS ARE OUTSIDE OF THEIR OPERATING PARAMETERS.
 - C. ACCUMULATED RUN TIME SHALL BE INCORPORATED INTO THE RUN TIME REPORT.
3. SCHEDULE:
 - A. OCCUPIED MODE:
 - I. THE SUPPLY AND RETURN FANS SHALL BE ON IN THE OCCUPIED MODE 24 HOURS PER DAY.
 - B. UNOCCUPIED MODE:
 - I. THE SYSTEM SHALL NOT OPERATE IN UNOCCUPIED MODE.
 - C. THE CONTROLLER SHALL MONITOR THE SPACE RELATIVE HUMIDITY.
4. OUTDOOR AIR DAMPER:
 - A. THE OUTSIDE AIR DAMPER SHALL CLOSE WHEN THE UNIT IS OFF.
5. PREFILTER:
 - A. THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE PREFILTER.
 - B. ALARMS SHALL BE PROVIDED AS FOLLOWS:
 - I. DIRTY PREFILTER: PREFILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.), INITIALLY SET TO 1 INCH W.G.
6. COOLING MODE:
 - A. THE CHILLED WATER COOLING SYSTEM SHALL BE ENABLED WHENEVER:
 - I. OUTSIDE AIR TEMPERATURE IS GREATER THAN 60°F (ADJ.).
 - II. AND THE SUPPLY FAN STATUS IS ON.
7. HEATING MODE:
 - A. THE HEATING MODE (HOT WATER COIL) SHALL BE ENABLED WHENEVER:
 - I. OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
 - II. AND THE SUPPLY FAN STATUS IS ON.
 - B. THE 2-WAY HOT WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN A DISCHARGE AIR TEMPERATURE OF 65 DEGREES.
 - C. SPACE TEMPERATURE IS ZONED USING EXISTING REHEAT COILS. THE EXISTING 2-WAY HOT WATER REHEAT CONTROL VALVES SHALL MODULATE TO MAINTAIN A DISCHARGE AIR TEMPERATURE OF 90 DEGREES (ADJ.).
 - D. DISCHARGE AIR TEMPERATURE SETPOINT CONTROL: DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE RESET ACCORDING TO A SPACE TEMPERATURE SENSOR. AS THE SPACE TEMPERATURE SENSOR INCREASES ABOVE A SETPOINT OF 74 DEGREES F (FIELD ADJUSTABLE THROUGH DDC), THE DISCHARGE AIR SETPOINT SHALL BE REDUCED. AS SPACE TEMPERATURE DECREASES, THE DISCHARGE AIR SETPOINT SHALL BE INCREASED. THE MINIMUM DISCHARGE AIR TEMPERATURE SHALL BE 54 DEGREES F (FIELD ADJUSTABLE THROUGH DDC SYSTEM), AND THE MAXIMUM DISCHARGE AIR TEMPERATURE SHALL BE 90 DEGREES F (FIELD ADJUSTABLE THROUGH DDC.)
 - E. THE DDC SYSTEM SHALL ALARM IF THE LEAVING AIR TEMPERATURE IS OUTSIDE ITS RANGE (+/- 10 DEG F, ADJUSTABLE).

8. SUPPLY FAN:
 - A. UPON A CALL FOR FAN OPERATION, THE SUPPLY FAN SHALL START AND RAMP TO MINIMUM SPEED.
 - B. THE BAS SHALL CONTINUOUSLY MONITOR AIRFLOW FROM THE SUPPLY AFMS. THE MEASURED AIRFLOW SHALL BE COMPARED TO THE OPERATOR-ADJUSTABLE AIRFLOW SETPOINT.
 - C. THE SUPPLY FAN VFD SPEED SHALL BE MODULATED VIA PID CONTROL TO MAINTAIN THE PROGRAMMED AIRFLOW SETPOINT.
 - D. IF MEASURED AIRFLOW IS BELOW SETPOINT, THE BAS SHALL INCREASE FAN SPEED.
 - E. IF MEASURED AIRFLOW IS ABOVE SETPOINT, THE BAS SHALL DECREASE FAN SPEED.
 - F. THE AIRFLOW SETPOINT SHALL BE ADJUSTABLE THROUGH THE BAS AND SHALL BE INITIALLY SET TO THE DESIGN SUPPLY AIRFLOW INDICATED ON THE DRAWINGS.
 - G. A LOW AIRFLOW ALARM SHALL BE GENERATED IF MEASURED AIRFLOW FALLS BELOW 90% (ADJUSTABLE) OF SETPOINT FOR A PERIOD EXCEEDING 2 MINUTES (ADJUSTABLE).
 - H. A HIGH AIRFLOW ALARM SHALL BE GENERATED IF MEASURED AIRFLOW EXCEEDS 110% (ADJUSTABLE) OF SETPOINT FOR A PERIOD EXCEEDING 2 MINUTES (ADJUSTABLE).
 - I. THE SUPPLY FAN SHALL BE LIMITED TO A MAXIMUM SPEED OF 100% AND A MINIMUM SPEED SUFFICIENT TO MAINTAIN STABLE OPERATION AND PROPER VENTILATION.
 - J. UPON FAN SHUTDOWN, THE VFD SHALL RAMP DOWN TO ZERO SPEED AND THE FAN SHALL STOP.
9. RETURN FAN / RELIEF AIR DAMPER (BUILDING PRESSURE RELIEF):
 - A. UNIT OFF: RELIEF AIR DAMPER SHALL BE CLOSED. RETURN FAN SHALL BE OFF.
 - B. UNIT ON: RETURN FAN SHALL RUN AT CONSTANT SPEED.
 - C. UNIT ON: MINIMUM OUTDOOR AIR (NON-ECONOMIZER OPERATION):
 - I. RELIEF AIR DAMPER SHALL REMAIN CLOSED (OR AT A MINIMUM POSITION IF REQUIRED BY FIELD CONDITIONS) WHILE OUTDOOR AIR DAMPER IS AT MINIMUM VENTILATION POSITION.
 - D. UNIT ON - OUTDOOR AIR ABOVE MINIMUM (PRESSURE RELIEF REQUIRED):
 - I. WHEN THE OUTDOOR AIR DAMPER IS COMMANDED ABOVE MINIMUM (E.G., ECONOMIZER OR OTHER SEQUENCE), THE RELIEF AIR DAMPER SHALL OPEN IN A TRACKING MANNER TO PROVIDE A RELIEF PATH SUCH THAT INCREASED OUTDOOR AIRFLOW DOES NOT OVER-PRESSURIZE THE BUILDING.
 - E. ECONOMIZER OPERATION:
 - I. WHEN THE UNIT IS IN OCCUPIED MODE AND THERE IS A CALL FOR COOLING, THE ECONOMIZER SHALL BE ENABLED WHEN OUTDOOR AIR CONDITIONS ARE SUITABLE FOR FREE COOLING. SUITABLE CONDITIONS SHALL BE DETERMINED BY ONE OF THE FOLLOWING:
 - a. OUTDOOR AIR DRY BULB TEMPERATURE LESS THAN THE ECONOMIZER ENABLE SETPOINT (ADJUSTABLE, 55°F).
 - b. OUTDOOR AIR ENTHALPY LESS THAN RETURN AIR ENTHALPY.
 - II. WHEN ENABLED, THE OUTDOOR AIR DAMPER SHALL MODULATE FROM MINIMUM POSITION TOWARD FULL OPEN TO MAINTAIN DISCHARGE AIR TEMPERATURE SETPOINT. THE RETURN AIR DAMPER SHALL MODULATE INVERSELY TO MAINTAIN PROPER AIRFLOW BALANCE. THE RELIEF AIR DAMPER SHALL MODULATE IN A TRACKING MANNER TO PREVENT BUILDING OVER-PRESSURIZATION.
 - III. IF THE OUTDOOR AIR TEMPERATURE FALLS BELOW THE LOW LIMIT PROTECTION SETPOINT (45°F, ADJUSTABLE) OR IF MIXED AIR TEMPERATURE APPROXIMATES FREEZE PROTECTION SETPOINT, THE ECONOMIZER SHALL MODULATE CLOSED AS REQUIRED TO MAINTAIN SAFE MIXED AIR TEMPERATURE.
 - IV. WHEN OUTDOOR AIR CONDITIONS ARE NO LONGER SUITABLE FOR FREE COOLING OR WHEN MECHANICAL COOLING IS REQUIRED TO MAINTAIN DISCHARGE AIR TEMPERATURE BELOW WHAT ECONOMIZER CAN PROVIDE, THE ECONOMIZER SHALL RETURN TO MINIMUM OUTDOOR AIR POSITION AND MECHANICAL COOLING SHALL BE ENABLED AS REQUIRED.
 - F. SAFETIES / FAIL POSITION:
 - I. UPON SUPPLY FAN SHUTDOWN BY SAFETY (E.G., SMOKE/FIRE ALARM INTERLOCK IF APPLICABLE), COMMAND RETURN FAN OFF AND RETURN AND RELIEF AIR DAMPER CLOSED. (UNLESS A SEPARATE LIFE-SAFETY SEQUENCE REQUIRES OTHERWISE).

- KEYED NOTES:
- 1 EXISTING CONTROLS DEVICE. RE-USE EXISTING DEVICE AND WIRING BACK TO DDC PANEL.
 - 2 REMOVE EXISTING CONTROL DEVICE. PROVIDE ELECTRONIC-DDC EQUIPMENT. RE-USE ASSOCIATED WIRING AND CONDUIT BETWEEN DDC PANEL AND EQUIPMENT.

POINTS LIST

ITEM DESCRIPTION	DIGITAL		ANALOG		NOTES
	INPUT	OUTPUT	INPUT	OUTPUT	
OUTSIDE AIR HUMIDITY			X		T.A
OUTSIDE AIR TEMPERATURE			X		T.A
OUTSIDE AIR FLOW			X		T.A
OUTSIDE AIR DAMPER				X	T
RELIEF AIR DAMPER				X	T
RETURN AIR DAMPER				X	ET
EX RETURN AIR TEMPERATURE			X		T.A
EX RETURN AIR HUMIDITY			X		T.A
FILTER DIFF PRESSURE			X		T.A
MIXED AIR TEMPERATURE			X		T.A
2-WAY HOT WATER HEATING COIL CONTROL VALVE				X	T.A
HOT WATER RETURN TEMPERATURE			X		T.A
FREEZE STAT	X				T.A
CHILLED WATER COOLING COIL			REFER TO M-701 FOR CHILLED WATER SEQUENCE		
COOLING COIL TEMPERATURE			X		T.A
SUPPLY FAN SPEED				X	T
SUPPLY FAN START/STOP		X			RT, T
TOTAL SUPPLY AIRFLOW (AHU-1 ONLY - TYPICAL OF 6)			X (6)		T.A (6)
SUPPLY FAN STATUS (TYPICAL OF 10)	X (10)				A (10)
SUPPLY AIR TEMPERATURE			X		T.A
RETURN AIR FLOW			X		T.A
SUPPLY AIR FLOW			X		T.A
RETURN FAN START/STOP		X			RT, T
RETURN FAN STATUS	X				A
EX HOT WATER REHEAT COIL VALVE (TYPICAL OF 32)				X (32)	T.A (32)
EX SPACE TEMPERATURE (TYPICAL OF 32)			X (32)		T.A (32)

RT RUN TIME OF PIECE OF EQUIPMENT. THIS SHALL BE THE TOTAL OPERATING TIME SINCE INITIAL START-UP OF PIECE OF EQUIPMENT.

T INDICATES THE POINT SHALL BE TRENDABLE.

A INDICATES THE SYSTEM SHALL ALARM WHEN THE POINT IS OUTSIDE ITS RANGE, OR UPON CONTACT CLOSURE OR OPENING.

36x24 PLOT SHEET

NEW YORK STATE Office of General Services
DESIGN & CONSTRUCTION
CONSULTANT
CERTIFICATE OF AUTHORIZATION #: 0018644

SAGE ENGINEERING ASSOCIATES, LLP
SAGE ENGINEERING PROJECT NO. 4231

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

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REGISTRATION EXPIRES: 02/28/2026

CONTRACT: HVAC
TITLE: REPLACE CONDENSING UNITS BUILDINGS 1, 8, 26 AND 93
LOCATION: EASTERN CORRECTIONAL FACILITY 30 INSTITUTION ROAD NAPANOCH, NY
CLIENT: DEPT. OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
△	3/2/2026	ADDENDUM 01
	8/6/2025	BID DOCUMENT
PROJECT NUMBER:	M3210 - H	
DESIGNED BY:	DJB	
DRAWN BY:	DJB	
FIELD CHECK:	KF	
APPROVED:	DPL	
SHEET TITLE:	CONTROLS DIAGRAMS - AHU93-1 AND AHU93-2	
DRAWING NUMBER:	M-703A	
SHEET	26A	of 42



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REGISTRATION EXPIRES: 02/28/2026

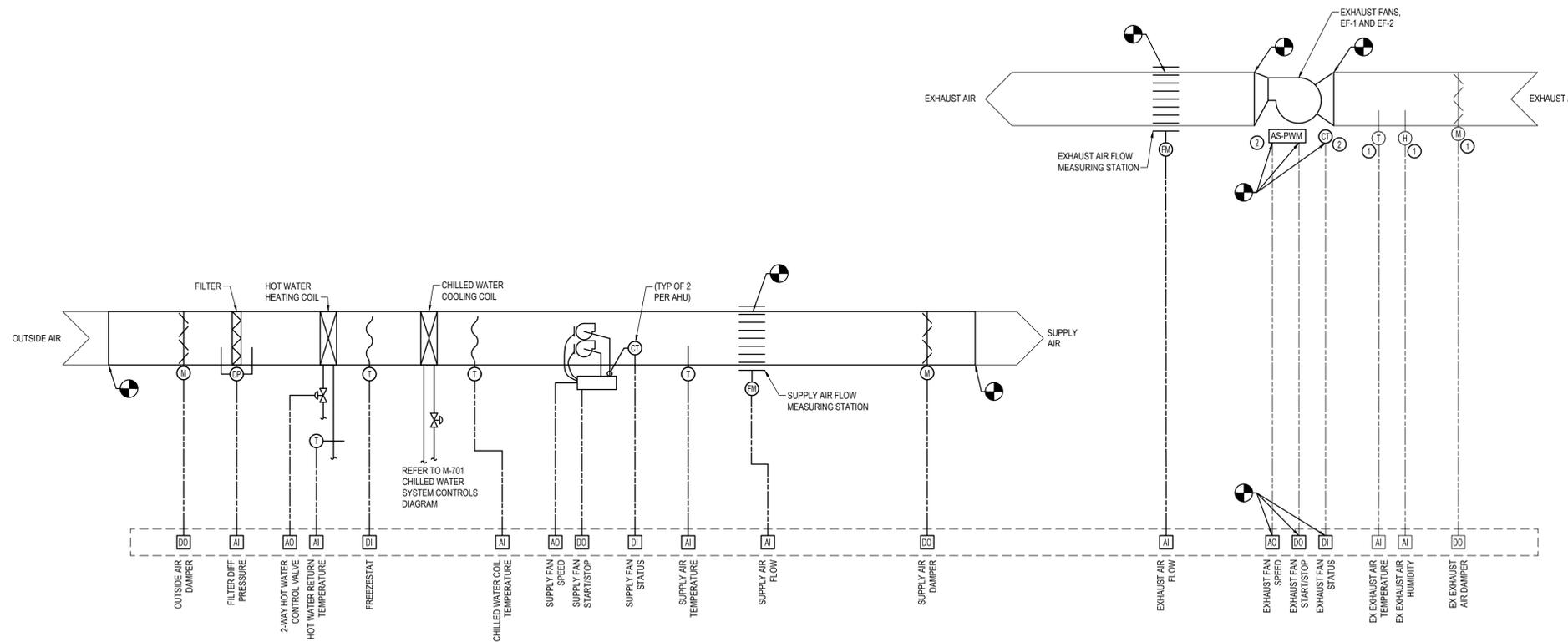
CONTRACT:

HVAC

TITLE:
REPLACE CONDENSING UNITS
BUILDINGS 1, 8, 26 AND 93

LOCATION:
EASTERN CORRECTIONAL FACILITY
30 INSTITUTION ROAD
NAPANOCH, NY

CLIENT:
DEPT. OF CORRECTIONS AND
COMMUNITY SUPERVISION



1 AIR HANDLING UNIT BUILDING 93 AHU93-3A AND AHU93-3B CONTROLS DIAGRAM
M-703B SCALE: NTS

AIR HANDLING UNIT AHU93-3A AND AHU93-3B SEQUENCES OF OPERATION

1. UNIT DESCRIPTION:
 - A. AHU93-3A AND AHU93-3B IS A VARIABLE AIR VOLUME AIR HANDLER, 100% OUTSIDE AIR, WITH ECM SUPPLY FANS, PREFILTER BANKS, HOT WATER HEATING COILS, AND CHILLED WATER COOLING COILS. THESE AHUS ARE 100% REDUNDANT TO EACH OTHER AND SERVE TWO ISOLATION ROOMS WHICH EACH HAVE HOT WATER REHEAT COILS LOCATED DOWNSTREAM OF THE UNIT. ONE EXHAUST FAN SERVES ISOLATION ROOMS AND IS CONTROLLED IN TANDEM WITH AHU93-3A AND AHU93-3B.
2. CONTROLLER:
 - A. THE CONTROLS SYSTEM SHALL BE PLACED IN THE AUTOMATIC MODE VIA A BUTTON ON THE GRAPHIC DISPLAY.
 - B. ALARMS, AS INDICATED ON THE CONTROLS POINTS LIST, SHALL BE SET AT THE WORKSTATION IF THE CONTROL POINTS ARE OUTSIDE OF THEIR OPERATING PARAMETERS.
 - C. ACCUMULATED RUN TIME SHALL BE INCORPORATED INTO THE RUN TIME REPORT.
3. SCHEDULE:
 - A. OCCUPIED MODE:
 - I. THE SUPPLY FANS AND EXHAUST FAN SHALL BE ON IN THE OCCUPIED MODE 24 HOURS PER DAY.
 - B. UNOCCUPIED MODE:
 - I. THE SYSTEM SHALL NOT OPERATE IN UNOCCUPIED MODE.
 - C. THE CONTROLLER SHALL MONITOR THE SPACE RELATIVE HUMIDITY.
4. SUPPLY AND OUTDOOR AIR DAMPER:
 - A. THE OUTSIDE AIR DAMPER SHALL BE OPEN WHEN THE UNIT IS ON AND CLOSE WHEN THE UNIT IS OFF.
 - B. THE SUPPLY AIR DAMPER SHALL BE OPEN WHEN THE UNIT IS ON AND CLOSE WHEN THE UNIT IS OFF.
5. PREFILTER:
 - A. THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE PREFILTER.
 - B. ALARMS SHALL BE PROVIDED AS FOLLOWS:
 - I. DIRTY PREFILTER: PREFILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.), INITIALLY SET TO 1 INCH W.G..
6. COOLING MODE:
 - A. THE CHILLED WATER COOLING SYSTEM SHALL BE ENABLED WHENEVER:
 - I. OUTSIDE AIR TEMPERATURE IS GREATER THAN 60°F (ADJ.).
 - II. AND THE SUPPLY FAN STATUS IS ON.
7. HEATING MODE:
 - A. THE HEATING MODE (HOT WATER COIL) SHALL BE ENABLED WHENEVER:
 - I. OUTSIDE AIR TEMPERATURE IS LESS THAN 65°F (ADJ.).
 - II. AND THE SUPPLY FAN STATUS IS ON.
 - B. THE 2-WAY HOT WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN A DISCHARGE AIR TEMPERATURE OF 65 DEGREES.
 - C. SPACE TEMPERATURE IS ZONED USING EXISTING REHEAT COILS. THE EXISTING 2-WAY HOT WATER REHEAT CONTROL VALVES SHALL MODULATE TO MAINTAIN A DISCHARGE AIR TEMPERATURE OF 90 DEGREES (ADJ.).
 - D. DISCHARGE AIR TEMPERATURE SETPOINT CONTROL: DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE RESET ACCORDING TO A SPACE TEMPERATURE SENSOR. AS THE SPACE TEMPERATURE SENSOR INCREASES ABOVE A SETPOINT OF 74 DEGREES F (FIELD ADJUSTABLE THROUGH DDC), THE DISCHARGE AIR SETPOINT SHALL BE REDUCED. AS SPACE TEMPERATURE DECREASES, THE DISCHARGE AIR SETPOINT SHALL BE INCREASED. THE MINIMUM DISCHARGE AIR TEMPERATURE SHALL BE 54 DEGREES F (FIELD ADJUSTABLE THROUGH DDC SYSTEM), AND THE MAXIMUM DISCHARGE AIR TEMPERATURE SHALL BE 90 DEGREES F (FIELD ADJUSTABLE THROUGH DDC.)
 - E. THE DDC SYSTEM SHALL ALARM IF THE LEAVING AIR TEMPERATURE IS OUTSIDE ITS RANGE (+/- 10 DEG F, ADJUSTABLE).
8. SUPPLY FAN:
 - A. UPON A CALL FOR FAN OPERATION, THE SUPPLY FAN SHALL START AND RAMP TO MINIMUM SPEED.
 - B. THE BAS SHALL CONTINUOUSLY MONITOR AIRFLOW FROM THE SUPPLY AFMS. THE MEASURED AIRFLOW SHALL BE COMPARED TO THE OPERATOR-ADJUSTABLE AIRFLOW SETPOINT.
 - C. THE SUPPLY FAN VFD SPEED SHALL BE MODULATED VIA PID CONTROL TO MAINTAIN THE PROGRAMMED AIRFLOW SETPOINT.
 - D. IF MEASURED AIRFLOW IS BELOW SETPOINT, THE BAS SHALL INCREASE FAN SPEED.
 - E. IF MEASURED AIRFLOW IS ABOVE SETPOINT, THE BAS SHALL DECREASE FAN SPEED.
 - F. THE AIRFLOW SETPOINT SHALL BE ADJUSTABLE THROUGH THE BAS AND SHALL BE INITIALLY SET TO THE DESIGN SUPPLY AIRFLOW INDICATED ON THE DRAWINGS.
 - G. A LOW AIRFLOW ALARM SHALL BE GENERATED IF MEASURED AIRFLOW FALLS BELOW 90% (ADJUSTABLE) OF SETPOINT FOR A PERIOD EXCEEDING 2 MINUTES (ADJUSTABLE).
 - H. A HIGH AIRFLOW ALARM SHALL BE GENERATED IF MEASURED AIRFLOW EXCEEDS 110% (ADJUSTABLE) OF SETPOINT FOR A PERIOD EXCEEDING 2 MINUTES (ADJUSTABLE).
 - I. THE SUPPLY FAN SHALL BE LIMITED TO A MAXIMUM SPEED OF 100% AND A MINIMUM SPEED SUFFICIENT TO MAINTAIN STABLE OPERATION AND PROPER VENTILATION. UPON FAN SHUTDOWN, THE VFD SHALL RAMP DOWN TO ZERO SPEED AND THE FAN SHALL STOP.
9. EXHAUST FAN:
 - A. THE EXHAUST AIR DAMPER SHALL BE OPEN WHEN THE FAN IS ON AND CLOSE WHEN THE FAN IS OFF.
 - B. THE EXHAUST FAN SHALL RUN ANY TIME THE SUPPLY FAN IS IN OPERATION AND SHALL RUN AT CONSTANT SPEED.

KEYED NOTES:

- 1 EXISTING CONTROLS DEVICE. RE-USE EXISTING DEVICE AND WIRING BACK TO DDC PANEL.
- 2 REMOVE EXISTING CONTROL DEVICE. PROVIDE ELECTRONIC-DDC EQUIPMENT. RE-USE ASSOCIATED WIRING AND CONDUIT BETWEEN DDC PANEL AND EQUIPMENT.

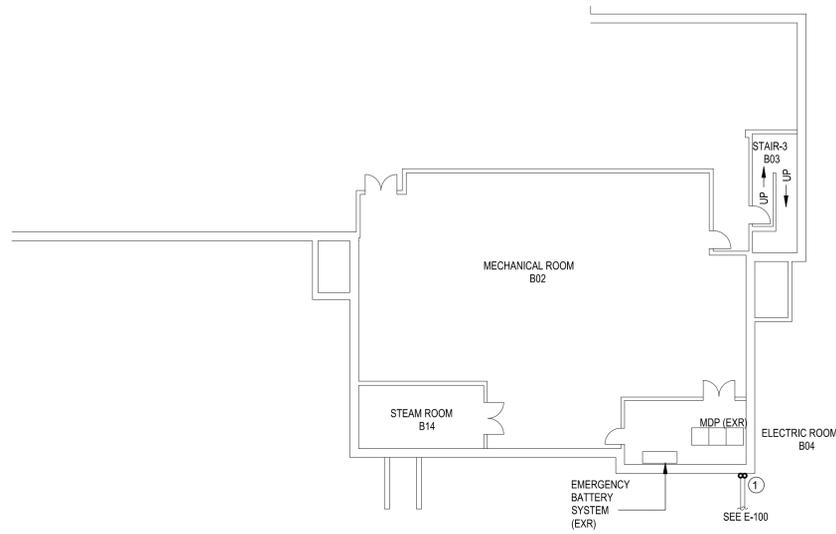
POINTS LIST

ITEM DESCRIPTION	DIGITAL		ANALOG		NOTES
	INPUT	OUTPUT	INPUT	OUTPUT	
OUTSIDE AIR DAMPER		X			A
FILTER DIFF PRESSURE			X		T,A
2-WAY HOT WATER HEATING COIL CONTROL VALVE				X	T,A
HOT WATER RETURN TEMPERATURE			X		T,A
FREEZESTAT	X				T,A
CHILLED WATER COOLING COIL			REFER TO M-701 FOR CHILLED WATER SEQUENCE		
COOLING COIL TEMPERATURE			X		T,A
SUPPLY FAN SPEED				X	T
SUPPLY FAN START/STOP		X			RT,T
SUPPLY FAN STATUS (TYPICAL OF 4)	X (4)				A (4)
SUPPLY AIR TEMPERATURE			X		T,A
SUPPLY AIR FLOW			X		T,A
SUPPLY AIR DAMPER		X			A
EXHAUST AIR FLOW			X		T,A
EXHAUST FAN SPEED				X	T
EXHAUST FAN START/STOP		X			RT,T
EXHAUST FAN STATUS	X				A
EX EXHAUST AIR TEMPERATURE			X		T,A
EX EXHAUST AIR HUMIDITY			X		T,A
EX EXHAUST AIR DAMPER		X			A

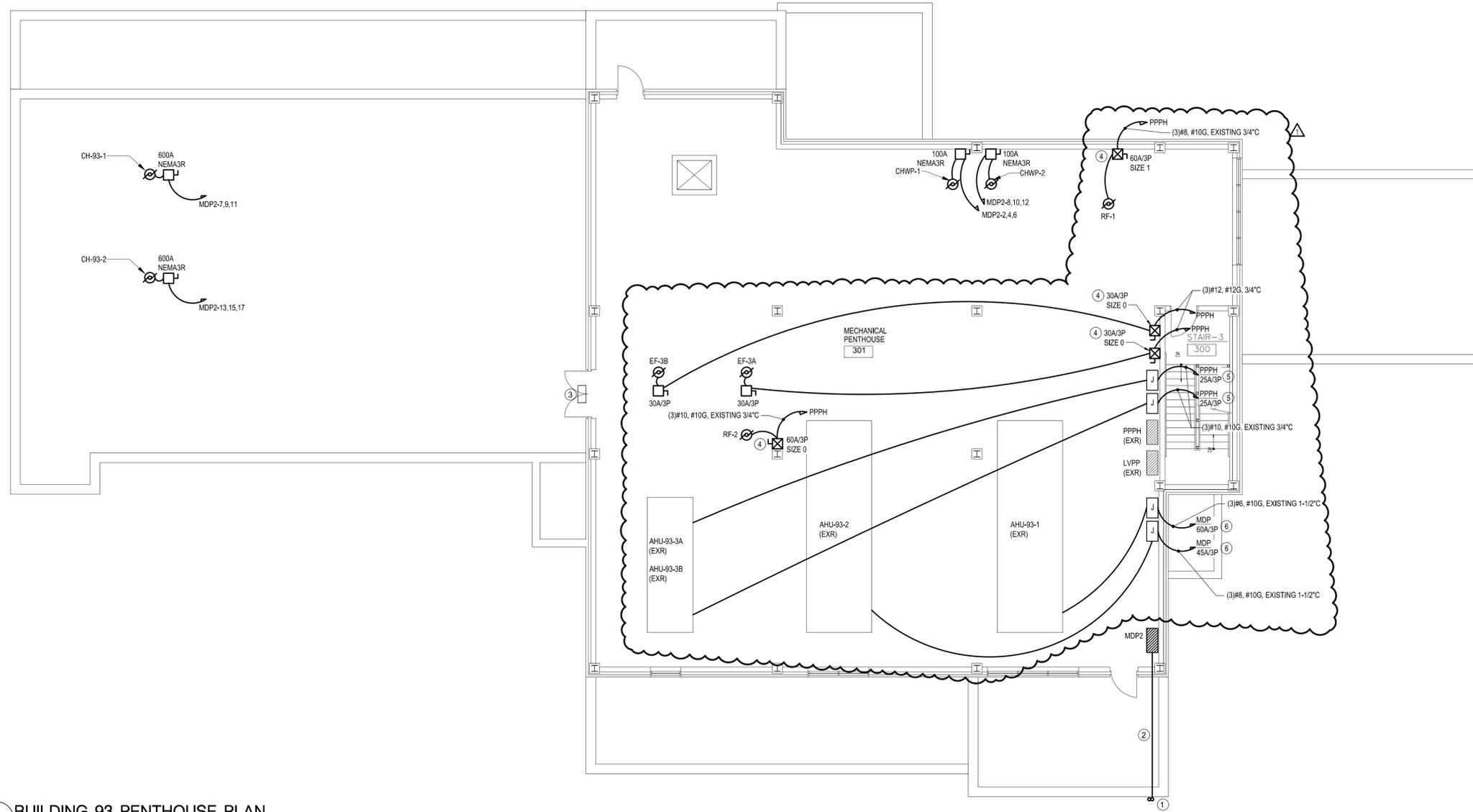
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2 BUILDING 93 BASEMENT PLAN
E-105 SCALE: 1/16"=1'-0"



1 BUILDING 93 PENTHOUSE PLAN
E-105 SCALE: 1/8"=1'-0"

GENERAL NOTES:

A. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT.

DRAWING NOTES: #

- 1 INTERCEPT (2) EXISTING 4" BELOW GRADE AND ROUTE UP EXTERIOR WALL OF BUILDING TO ROOF. PROVIDE SECURITY COILS ON WALL PER DETAIL 6/E-501.
- 2 PROVIDE CONDUIT (EXTENDED FROM THAT INDICATED IN NOTE 1 ACROSS ROOF AND TO PANEL MDP2 IN PENTHOUSE. PROVIDE PANEL MDP2 AND FEEDER (FROM EXISTING PAD MOUNTED TRANSFORMER) AS INDICATED ON SINGLE LINE OF E-601.
- 3 REINSTALL EXISTING FIXTURE AT LOCATION UP ONE VERTICAL COURSE FROM EXISTING LOCATION. ATTACH TO STRUCTURAL MEMBER IN WALL USING BACKING PLATES ON BOTH SIDES OF WALL. PROVIDE CONNECTION TO EXISTING EXTERIOR LIGHTING CIRCUIT HPS-1.
- 4 INSTALL STARTER/DISCONNECT FURNISHED BY H-CONTRACT.
- 5 PROVIDE BREAKER IN EXISTING PANEL PPPH.
- 6 PROVIDE BREAKER IN MAIN DISTRIBUTION PANEL (MDP), MDP IS A CUTLER-HAMMER POW-R-LINE C SWITCHBOARD, 200A, 208V/120V, 65KAIC.



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REGISTRATION EXPIRES: 10/31/2026

CONTRACT:

ELECTRICAL

TITLE:

REPLACE CONDENSING UNITS BUILDINGS 1, 8, 26 AND 93

LOCATION:

EASTERN CORRECTIONAL FACILITY
30 INSTITUTION ROAD
NAPANOCH, NY

CLIENT:

DEPT. OF CORRECTIONS AND
COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
△	3/2/2026	ADDENDUM 01
	8/6/2025	BID DOCUMENT
PROJECT NUMBER: M3210 - E		
DESIGNED BY:		GWG
DRAWN BY:		BAB
FIELD CHECK:		KF
APPROVED:		MOM

SHEET TITLE:

BLDG 93
PENTHOUSE PLAN

DRAWING NUMBER:

E-105