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Signage Consultant
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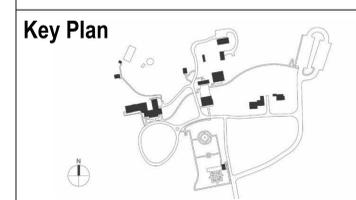


NYS OPRHP Taconic Region
9 Old Post Rd, PO Box 308
Staatsburg, NY 12580
(845) 889 - 4100

Regional Director: Linda Cooper
Capital District Manager: Garrett Jobson

Project Title:
John Jay Homestead Site And Building
Enhancements

Project Location:
400 Jay Street
Katonah NY 10536



Rev No.	Description	Date

Drawn By:
LFG
Design By:
LFG
Checked By:
LFG
Approved By:
LFG
DATE
07/10/24



Sheet Title
JOHN JAY HOMESTEAD
MECHANICAL LEGEND
AND NOTES

Drawing Number
M-001

MECHANICAL DRAWING SCHEDULE

TRADE	DRAWING NUMBER	DRAWING DESCRIPTION
	M-001	MECHANICAL LEGEND AND NOTES
	MD-100	BEDFORD HOUSE MECHANICAL DEMO BASEMENT PLAN
	MD-101	BEDFORD HOUSE MECHANICAL DEMO 1ST FLOOR PLAN
	MD-102	BEDFORD HOUSE MECHANICAL DEMO 2ND FLOOR PLAN
	MD-103	BEDFORD HOUSE MECHANICAL DEMO 3RD FLOOR PLAN
	M-100	BEDFORD HOUSE MECHANICAL BASEMENT PLAN
	M-101	BEDFORD HOUSE MECHANICAL 1ST FLOOR PLAN
	M-102	BEDFORD HOUSE MECHANICAL 2ND FLOOR PLAN
	M-103	BEDFORD HOUSE MECHANICAL 3RD FLOOR PLAN
	M-110	CARRIAGE BARN MECHANICAL PLANS
	M-170	COACHMAN'S HOUSE MECHANICAL PLANS AND SCHEDULES
	M-200	BEDFORD HOUSE MECHANICAL SECTIONS
	M-201	BEDFORD HOUSE MECHANICAL DETAILS
	M-202	BEDFORD HOUSE MECHANICAL DETAILS
	M-300	BEDFORD HOUSE MECHANICAL SCHEDULES
	M-301	BEDFORD HOUSE MECHANICAL SCHEDULES
	M-310	CARRIAGE BARN MECHANICAL SCHEDULES
	M-400	BEDFORD HOUSE MECHANICAL VRF PIPING DIAGRAM
	M-401	BEDFORD HOUSE MECHANICAL VRF WIRING DIAGRAM
	M-500	BEDFORD HOUSE MECHANICAL CONTROL DIAGRAM
	SU-200	GEO THERMAL SITE PLAN
	SU-201	GEO THERMAL DETAILS AND SCHEDULE

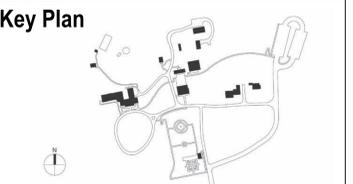
MECHANICAL DRAWINGS SCHEDULES
1 M-001 N.T.S.

MECHANICAL LEGEND

	RECTANGULAR, FLAT OVAL OR ROUND AIR DUCT (PLAN VIEW)		EMERGENCY BREAK GLASS BOILER SHUT DOWN
	DUCT WITH 1" ACOUSTICAL LINING		CONNECTION NEW WITH EXISTING
	FLEXIBLE CONNECTION		TAKEOFF FROM BOTTOM OF MAIN PIPE
	FLEXIBLE DUCT		CAPPED END OF PIPE
	SUPPLY OR OUTSIDE AIR DUCT (UP & DN)		DIRECTION OF FLOW
	RETURN OR EXHAUST DUCT (UP & DN)		BREAK FLANGES
	NEW WORK (BOLD LINE)		UNION
	EXISTING WORK (FINE LINE-DASHED)		BALL VALVE
	VOLUME DAMPER		GATE VALVE
	FIRE DAMPER (2 HR. RATED U.O.N.)		GLOBE VALVE
	SMOKE DAMPER		BALANCING VALVE WITH 100% SHUTOFF
	COMBINATION FIRE/SMOKE DAMPER		CHECK VALVE
	MOTORIZED DAMPER		BALL VALVE
	DIRECTION OF SUPPLY OR OUTSIDE AIR		OS & Y VALVE
	DIRECTION OF RETURN OR EXHAUST AIR		TWO-WAY CONTROL VALVE
	CONDENSATE DRAIN PIPING		THREE-WAY CONTROL VALVE
	PIPE ELBOW (UP & DN)		THERMOMETER
	TAKEOFF FROM TOP OF MAIN PIPE		PRESSURE GAUGE WITH SHUT-OFF COCK
	FLOW SWITCH		STRAINER WITH BLOW-DOWN VALVE
	DUCT SMOKE DETECTOR (SD)		ROOM THERMOSTAT OR TEMPERATURE SENSOR
			DEMOLITION AREA

AHU	AIR HANDLING UNIT	CU	CONDENSING UNIT
C.D.	CONDENSATE DRAIN	OA	OUTSIDE AIR
(N)	NEW	EXH	EXHAUST
(E)	EXISTING	OA	OUTSIDE AIR
U&D	UP AND DOWN	MD	MOTORIZED DAMPER
FCU	FAN COIL UNIT	VD	VOLUME DAMPER
HP	HEAT PUMP	CG / CD	CEILING GRILLE / DIFFUSER
ERV	ENERGY RECOVERY VENTILATOR	RG / EG	RETURN GRILLE / EXHAUST GRILLE
DOAS	DEDICATED OUTSIDE AIR SYSTEM	SR / FSR	SUPPLY REGISTER / FLOOR SUP. REG.
DSD	DUCT SMOKE DETECTOR	RG / FRG	RETURN GRILLE / FLOOR RETURN GRILLE
		LPS	LOW PRESSURE STEAM
		LPC	LOW PRESSURE CONDENSATE RETURN
		PC	PUMPED CONDENSATE RETURN
		HWS	HOT WATER SUPPLY
		HWR	HOT WATER RETURN

MECHANICAL LEGEND AND SYMBOLS
2 M-001 N.T.S.



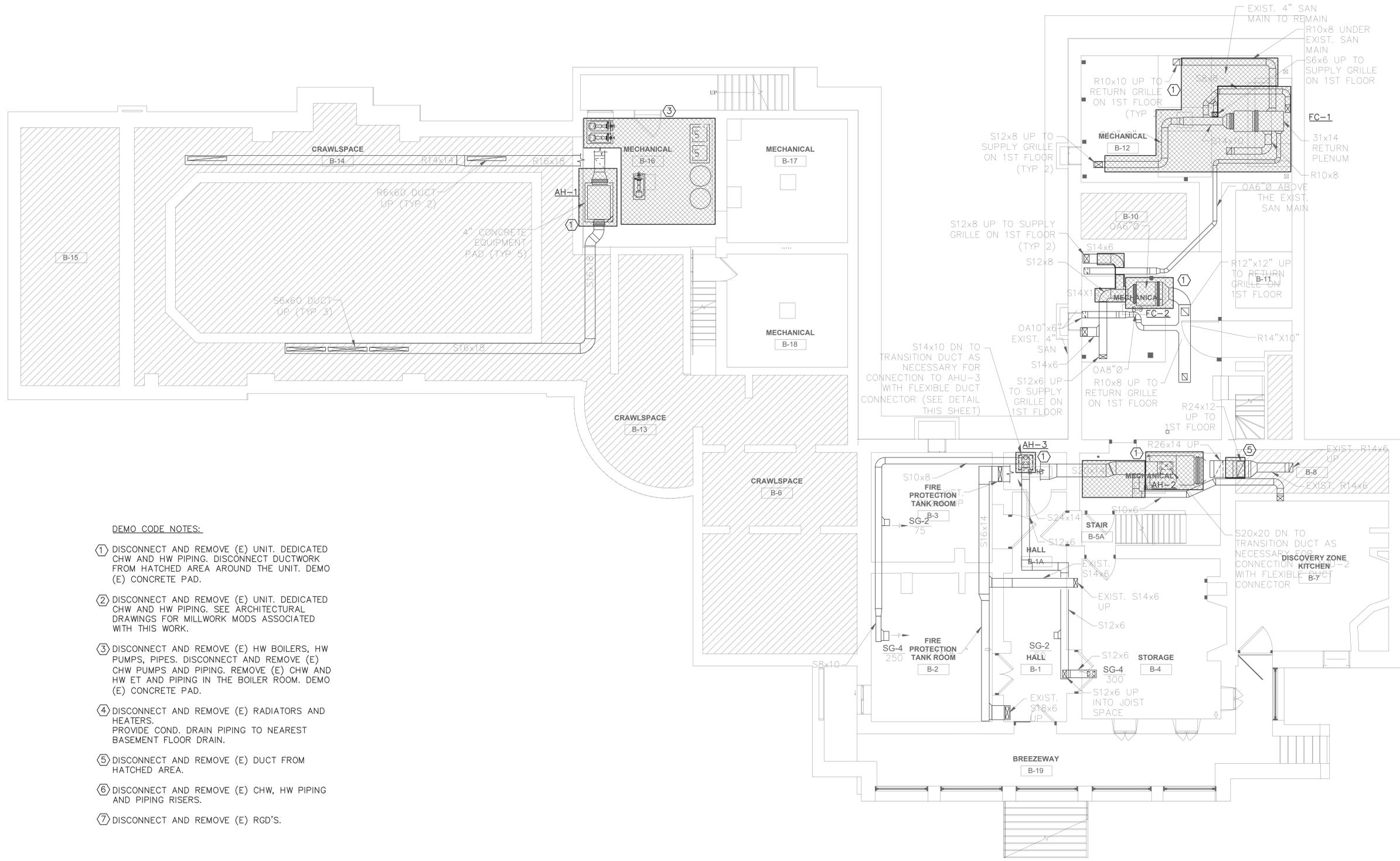
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BEDFORD HOUSE
MECHANICAL DEMO
BASEMENT PLAN

MD-100



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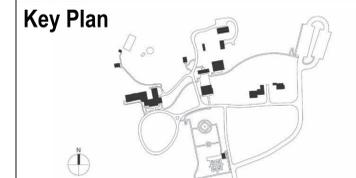
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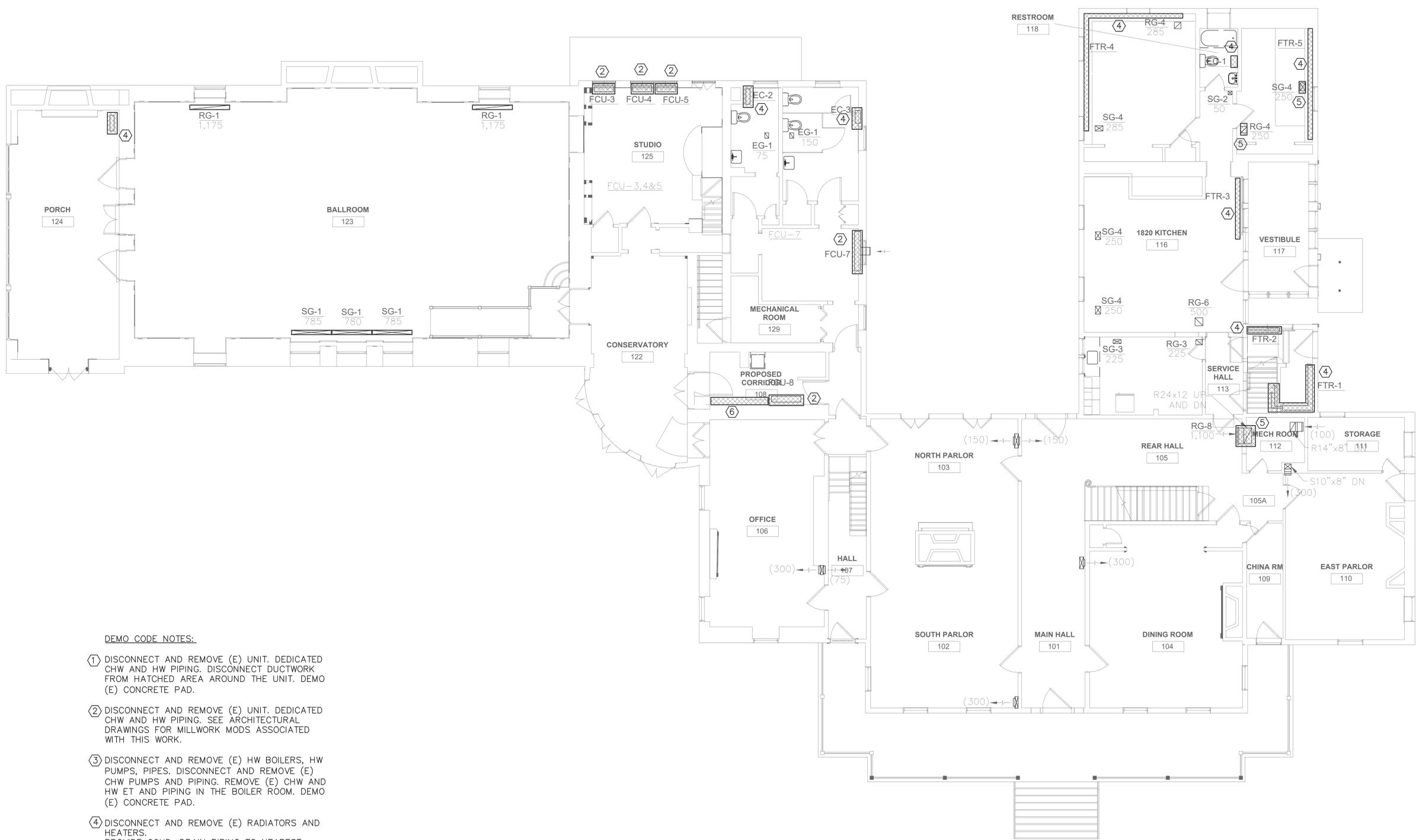
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Sheet Title
BEDFORD HOUSE
MECHANICAL DEMO
1ST FLOOR PLAN

Drawing Number
MD-101

Project Number: TA-JJ-2023-001
Sheet: 244 of 327



- DEMO CODE NOTES:**
- ① DISCONNECT AND REMOVE (E) UNIT. DEDICATED CHW AND HW PIPING. DISCONNECT DUCTWORK FROM HATCHED AREA AROUND THE UNIT. DEMO (E) CONCRETE PAD.
 - ② DISCONNECT AND REMOVE (E) UNIT. DEDICATED CHW AND HW PIPING. SEE ARCHITECTURAL DRAWINGS FOR MILLWORK MODS ASSOCIATED WITH THIS WORK.
 - ③ DISCONNECT AND REMOVE (E) HW BOILERS, HW PUMPS, PIPES. DISCONNECT AND REMOVE (E) CHW PUMPS AND PIPING. REMOVE (E) CHW AND HW ET AND PIPING IN THE BOILER ROOM. DEMO (E) CONCRETE PAD.
 - ④ DISCONNECT AND REMOVE (E) RADIATORS AND HEATERS. PROVIDE COND. DRAIN PIPING TO NEAREST BASEMENT FLOOR DRAIN.

PROPOSED MECHANICAL DEMOLITION 1ST FLOOR PLAN

SCALE: 3/16"=1'-0"



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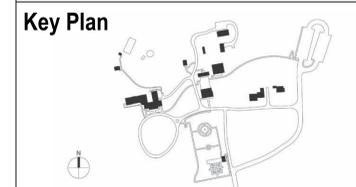


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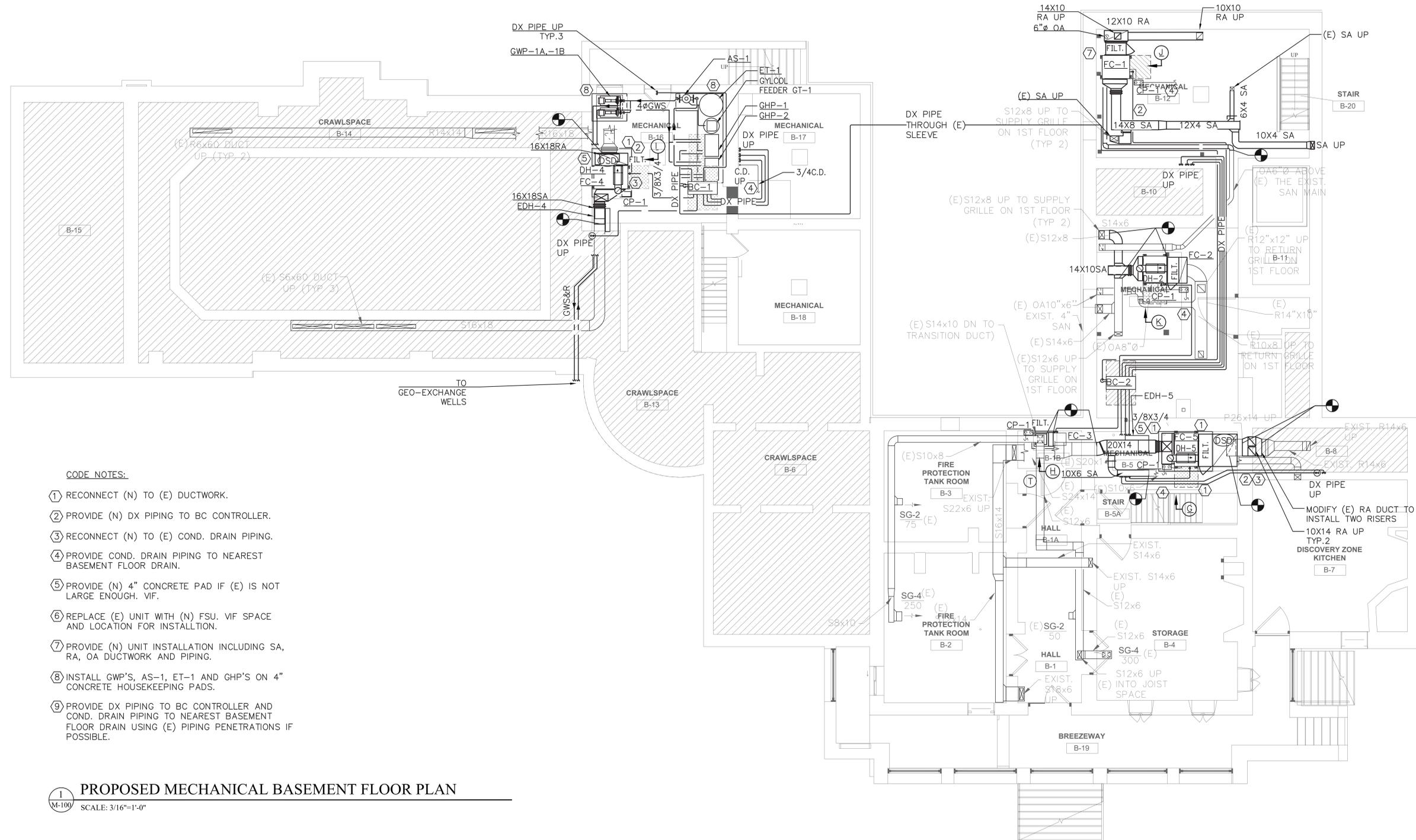
REVISIONS		
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Drawn By:
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LFG
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DATE
07/10/24
Sheet Title
BEDFORD HOUSE
MECHANICAL
BASEMENT PLAN

Seal and Signature

Project Number:
TA-JJ-2023-001
Sheet:
247 of 327

Drawing Number
M-100



- CODE NOTES:**
- ① RECONNECT (N) TO (E) DUCTWORK.
 - ② PROVIDE (N) DX PIPING TO BC CONTROLLER.
 - ③ RECONNECT (N) TO (E) COND. DRAIN PIPING.
 - ④ PROVIDE COND. DRAIN PIPING TO NEAREST BASEMENT FLOOR DRAIN.
 - ⑤ PROVIDE (N) 4" CONCRETE PAD IF (E) IS NOT LARGE ENOUGH. VIF.
 - ⑥ REPLACE (E) UNIT WITH (N) FSU. VIF SPACE AND LOCATION FOR INSTALLTION.
 - ⑦ PROVIDE (N) UNIT INSTALLATION INCLUDING SA, RA, OA DUCTWORK AND PIPING.
 - ⑧ INSTALL GWP'S, AS-1, ET-1 AND GHP'S ON 4" CONCRETE HOUSEKEEPING PADS.
 - ⑨ PROVIDE DX PIPING TO BC CONTROLLER AND COND. DRAIN PIPING TO NEAREST BASEMENT FLOOR DRAIN USING (E) PIPING PENETRATIONS IF POSSIBLE.

1
M-100 **PROPOSED MECHANICAL BASEMENT FLOOR PLAN**
SCALE: 3/16"=1'-0"

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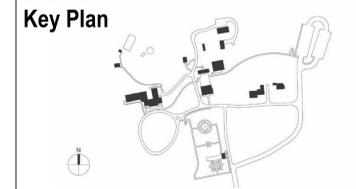


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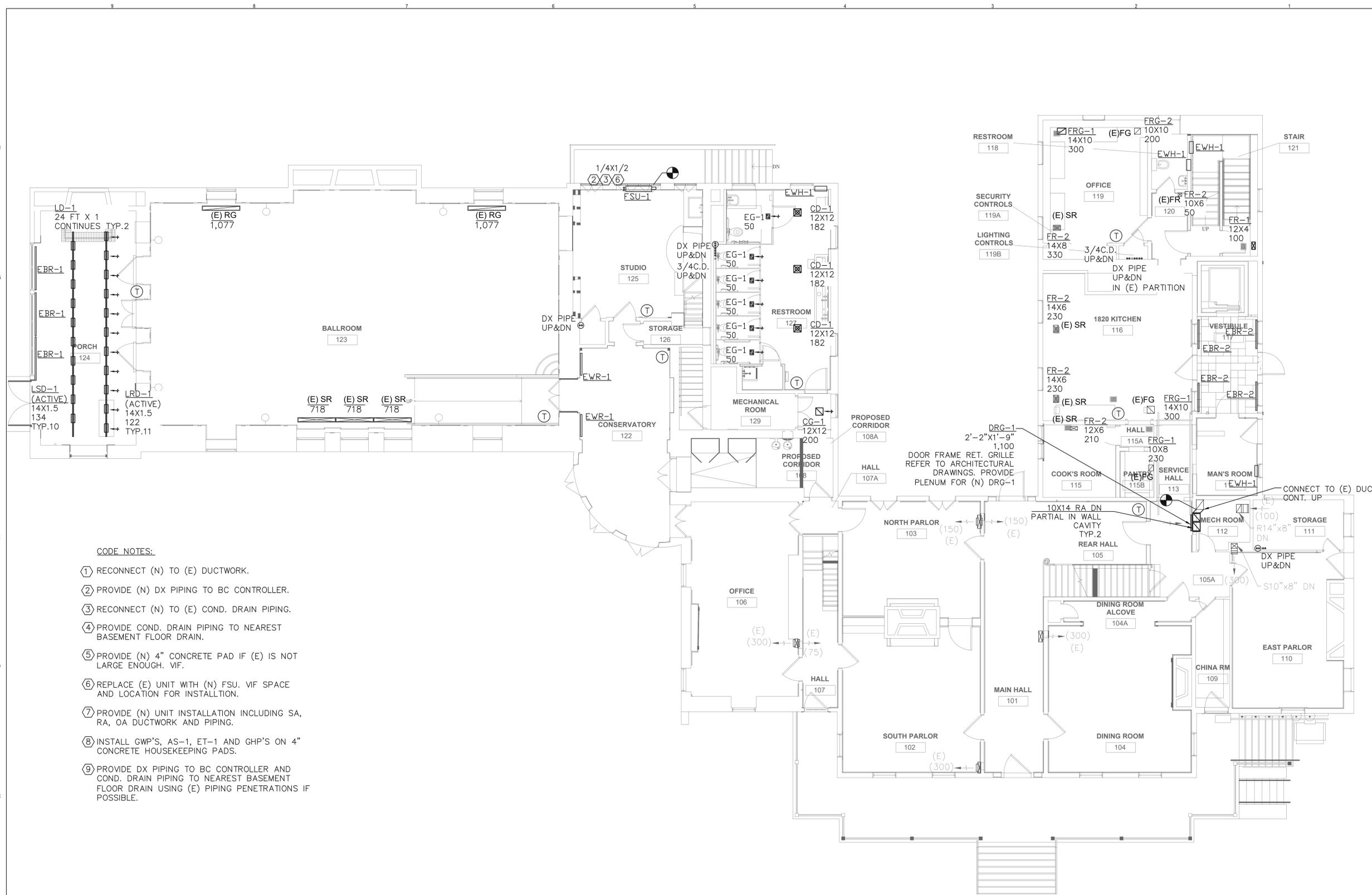
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Sheet Title
BEDFORD HOUSE
MECHANICAL
1ST FLOOR PLAN



Drawing Number
M-101



- CODE NOTES:**
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 - RECONNECT (N) TO (E) COND. DRAIN PIPING.
 - PROVIDE COND. DRAIN PIPING TO NEAREST BASEMENT FLOOR DRAIN.
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PROPOSED MECHANICAL 1ST FLOOR PLAN
SCALE: 3/16"=1'-0"



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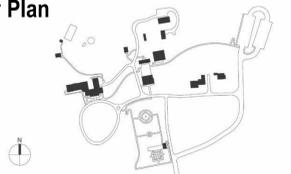
NYS OPRHP Taconic Region
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Key Plan

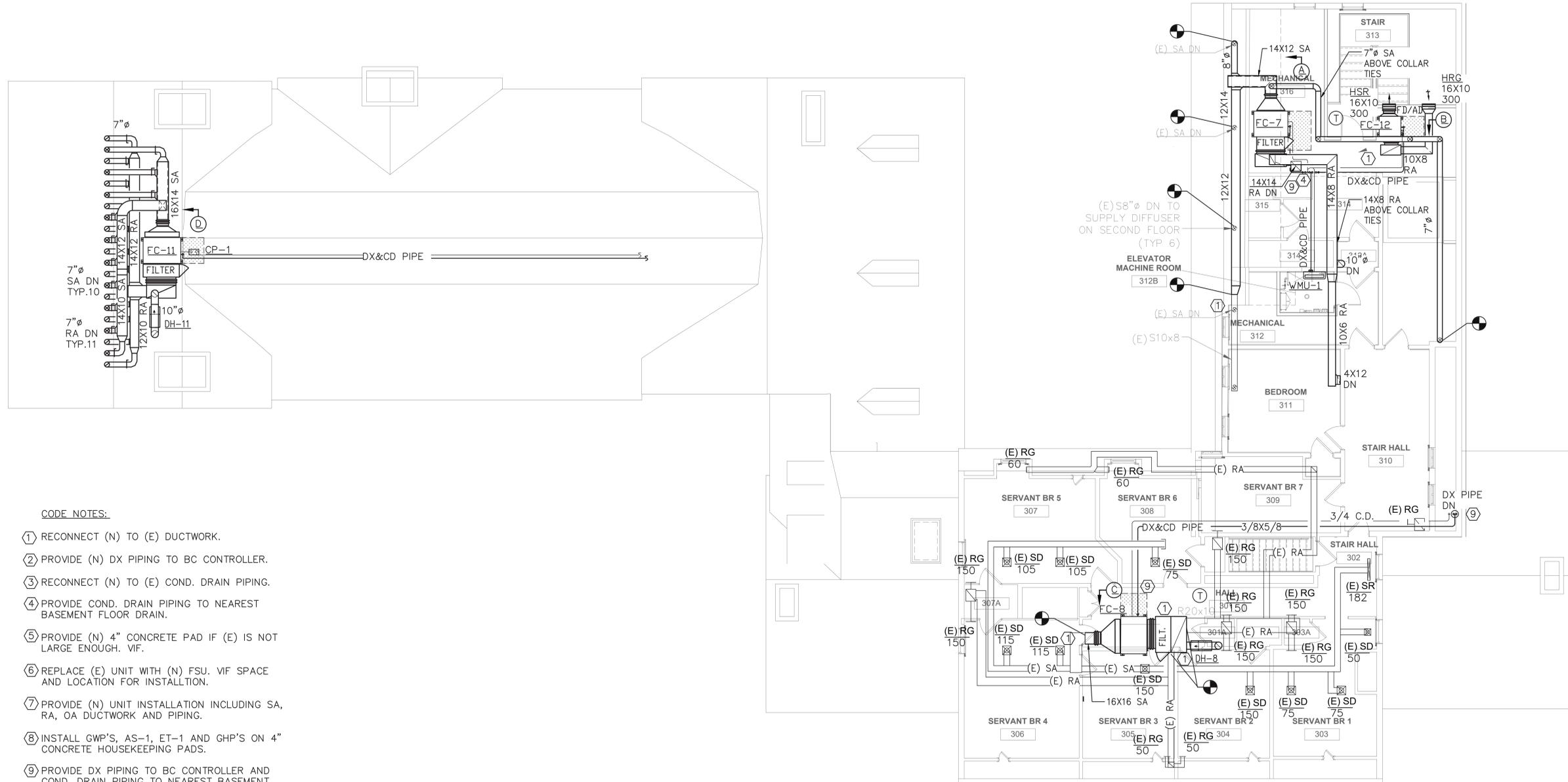


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Drawn By: LFG	
Design By: LFG	
Checked By: LFG	
Approved By: LFG	
DATE 07/10/24	

Sheet Title BEDFORD HOUSE MECHANICAL 3RD FLOOR PLAN	Drawing Number M-103
Project Number: TA-JJ-2023-001	Sheet: 250 of 327



CODE NOTES:

- 1 RECONNECT (N) TO (E) DUCTWORK.
- 2 PROVIDE (N) DX PIPING TO BC CONTROLLER.
- 3 RECONNECT (N) TO (E) COND. DRAIN PIPING.
- 4 PROVIDE COND. DRAIN PIPING TO NEAREST BASEMENT FLOOR DRAIN.
- 5 PROVIDE (N) 4" CONCRETE PAD IF (E) IS NOT LARGE ENOUGH. VIF.
- 6 REPLACE (E) UNIT WITH (N) FSU. VIF SPACE AND LOCATION FOR INSTALLTION.
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- 8 INSTALL GWP'S, AS-1, ET-1 AND GHP'S ON 4" CONCRETE HOUSEKEEPING PADS.
- 9 PROVIDE DX PIPING TO BC CONTROLLER AND COND. DRAIN PIPING TO NEAREST BASEMENT FLOOR DRAIN USING (E) PIPING PENETRATIONS IF POSSIBLE.

1 PROPOSED MECHANICAL 3RD FLOOR PLAN
M-103 SCALE: 3/16"=1'-0"

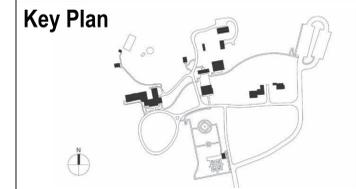
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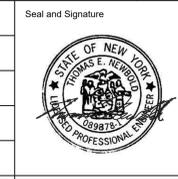
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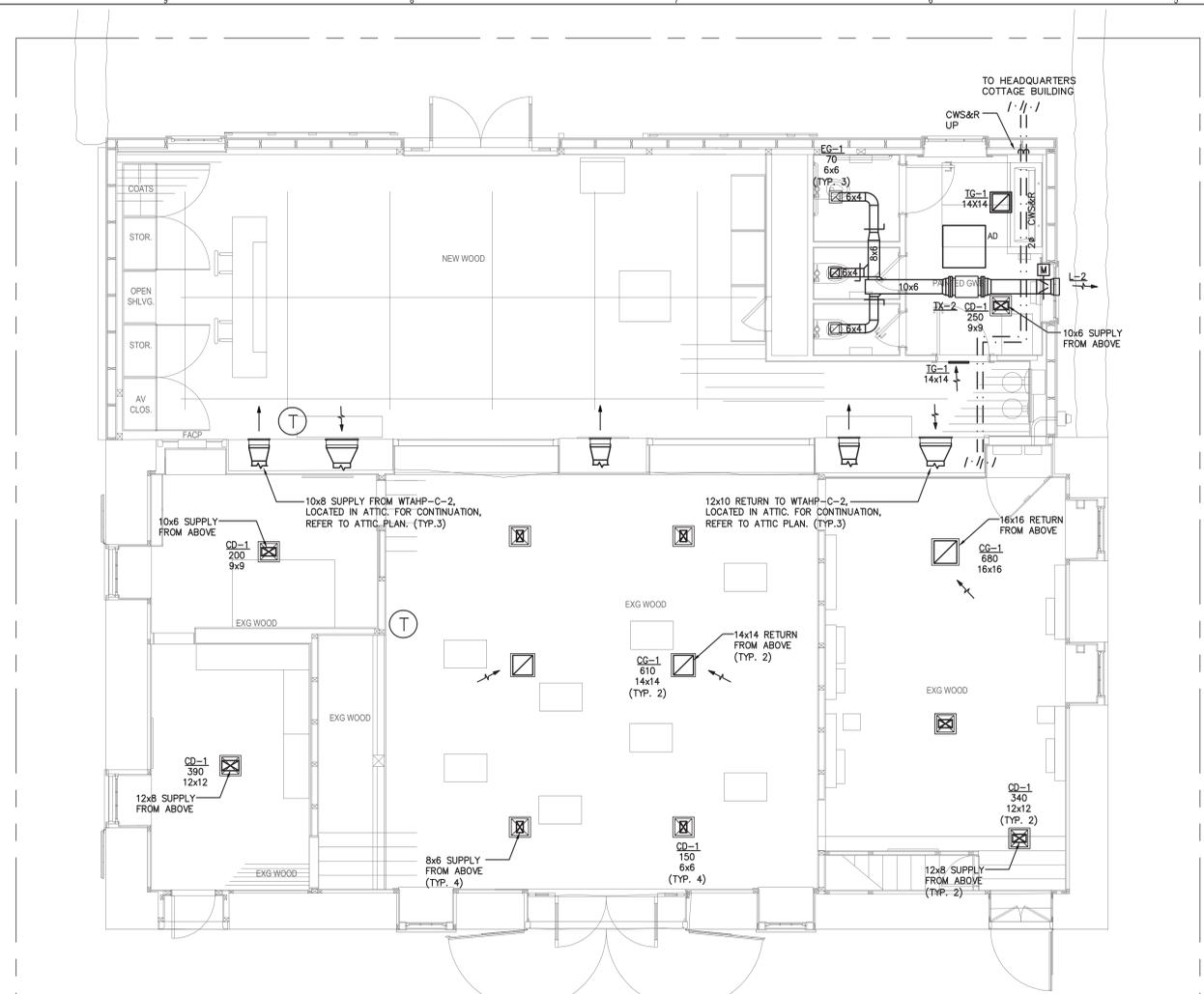
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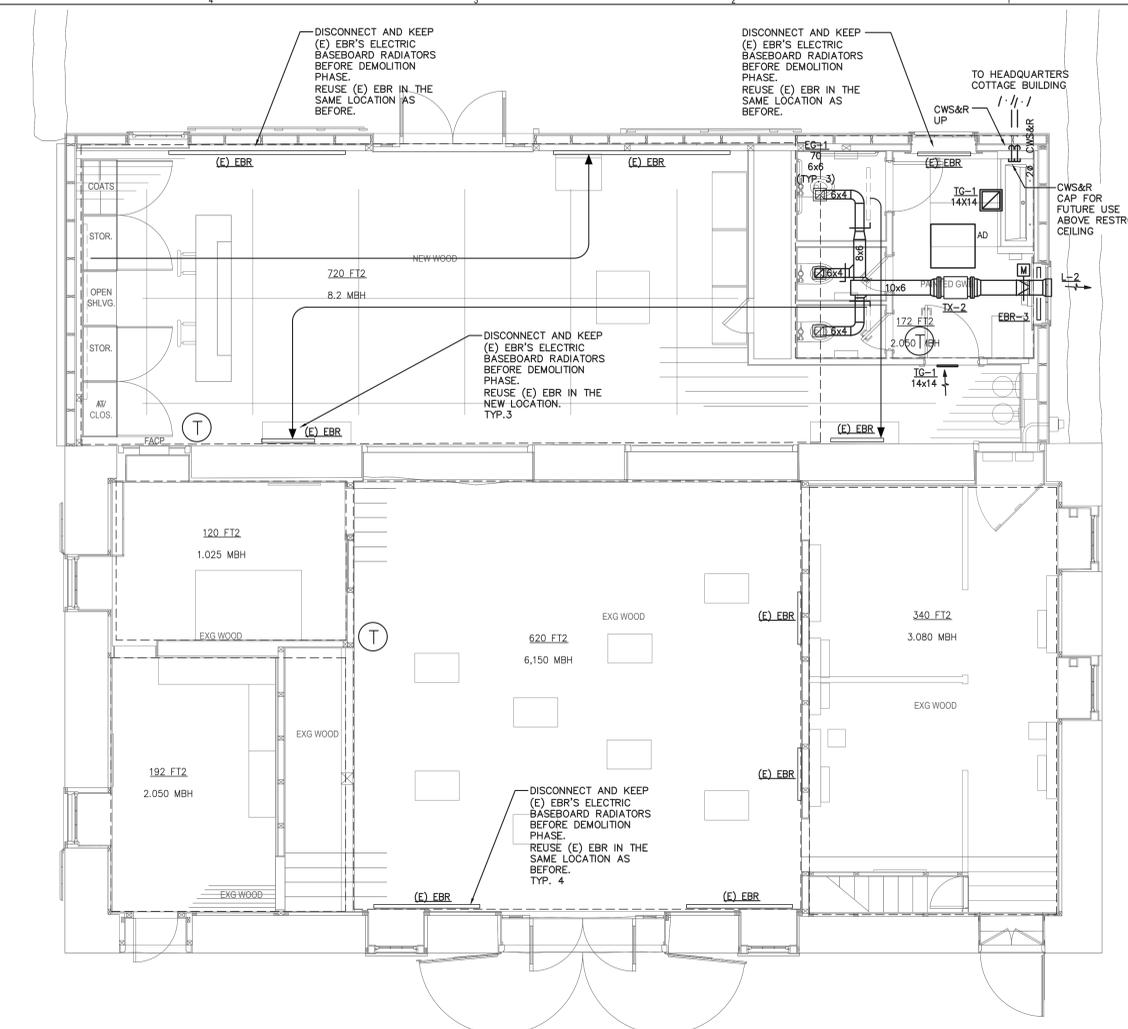
*** CARRIAGE BARN
MECHANICAL PLANS**

M-110

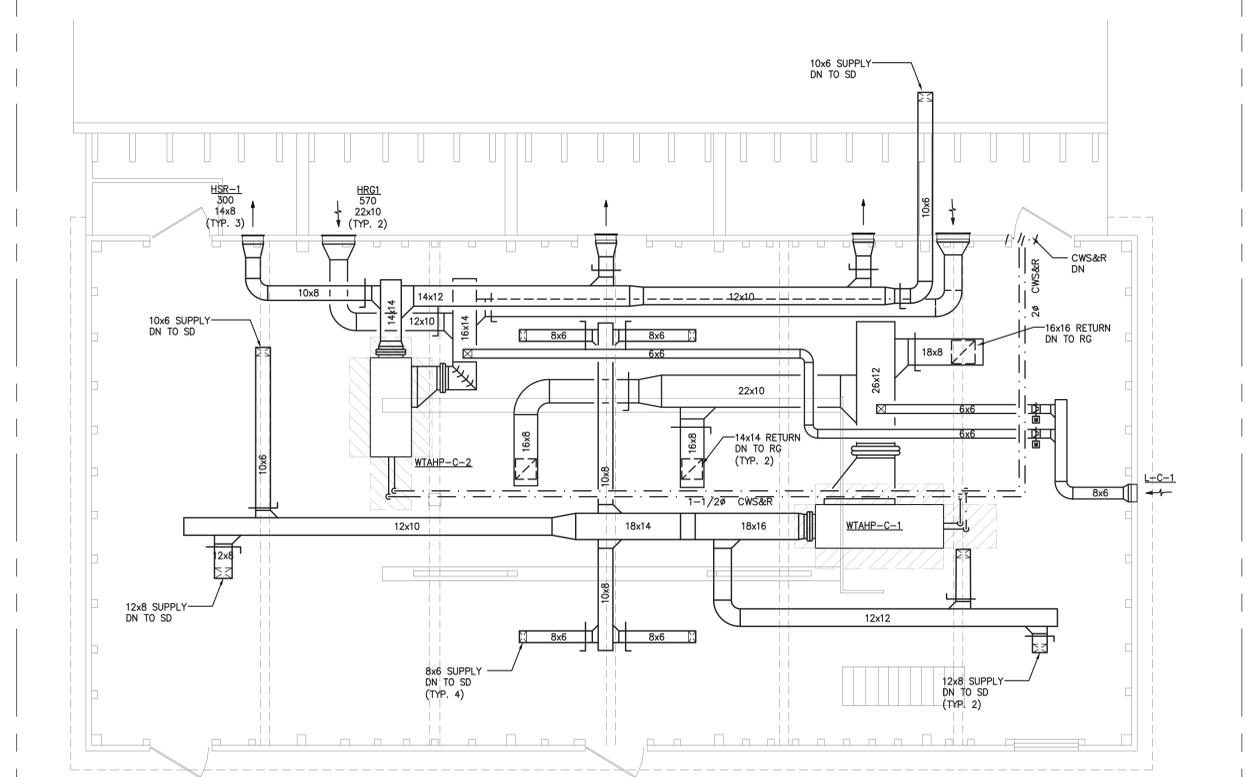
Project Number: TA-JJ-2023-001
Sheet: 251 of 327



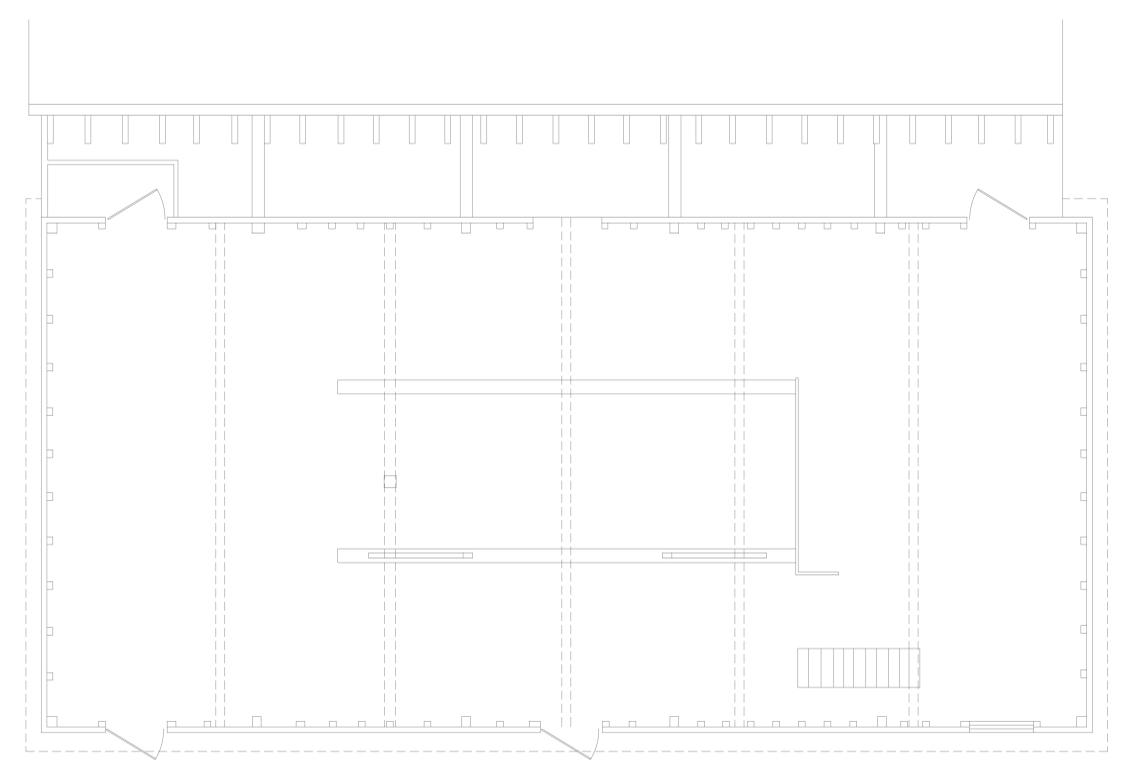
1 ALTERNATE 1- MECHANICAL PLAN - 1ST FLOOR
SCALE: 1/4"=1'-0"



3 BASE BID - MECHANICAL PLAN - 1ST FLOOR
SCALE: 1/4"=1'-0"



2 ALTERNATE 1- MECHANICAL PLAN - ATTIC
SCALE: 1/4"=1'-0"



4 BASE BID - MECHANICAL PLAN - ATTIC
SCALE: 1/4"=1'-0"

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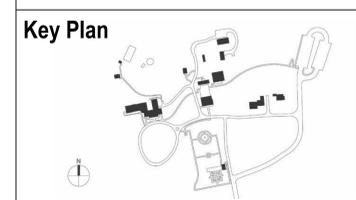
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Drawing Number
M-170

* COACHMAN'S HOUSE MECHANICAL PLANS AND SCHEDULES

Project Number: TA-JJ-2023-001
Sheet: 253 of 327

GROUND WATER PUMP SCHEDULE

MARK	TYPE	DESIGNATION	MFR	MODEL	PUMP				MOTOR		EFF %	VOLT/PH/Hz	WATER		REMARKS
					RPM	MATERIAL	IMPELLER DIA	WEIGHT LBS	HP	AMP			GPM	HEAD (FT.H2O)	
GWP-2A, -2B	SelfSensing End Suction Pump	WTAHP-C-1, -C-2	TACO	SF11509D-A-4P-PD	1760	Iron	7.5	365	3.0	48.0	208/3/60	40	58	1, 2	

REMARKS:
1) Provide Franklin model BA5 Variable Frequency Drive. Refer to pump detail for additional information.
2) Provide Taco Suction Diffuser with Strainer.
3) PUMPS TO OPERATE LEAD/LAG
4) 30% Glycol

EXPANSION TANK SCHEDULE

MARK	TYPE	DESIGNATION	MFR	MODEL	TANK					REMARKS	
					VOLUME GAL.	MAX. ACCEPT. VAL. GAL.	DIA INCH	HEIGHT INCH	CONN. SIZE INCH		WEIGHT LBS
ET-2	DIAPHRAGM	GW SYSTEM	AMTROL	CA450-125	119.0	-	24.0	77.3	1-1/2	400	

REMARKS:

AIR SEPARATOR SCHEDULE

MARK	TYPE	DESIGNATION	MFR	MODEL	UNIT					REMARKS	
					SURF. AREA SQ. FT.	FLOW GPM	DIA INCH	HEIGHT INCH	PIPE SIZE INCH		WEIGHT LBS
AS-2	Air / Dirt Separator	GW Loop	TACO	4902ADH-125	129.5	40.0	12.0	32.0	2	100	1

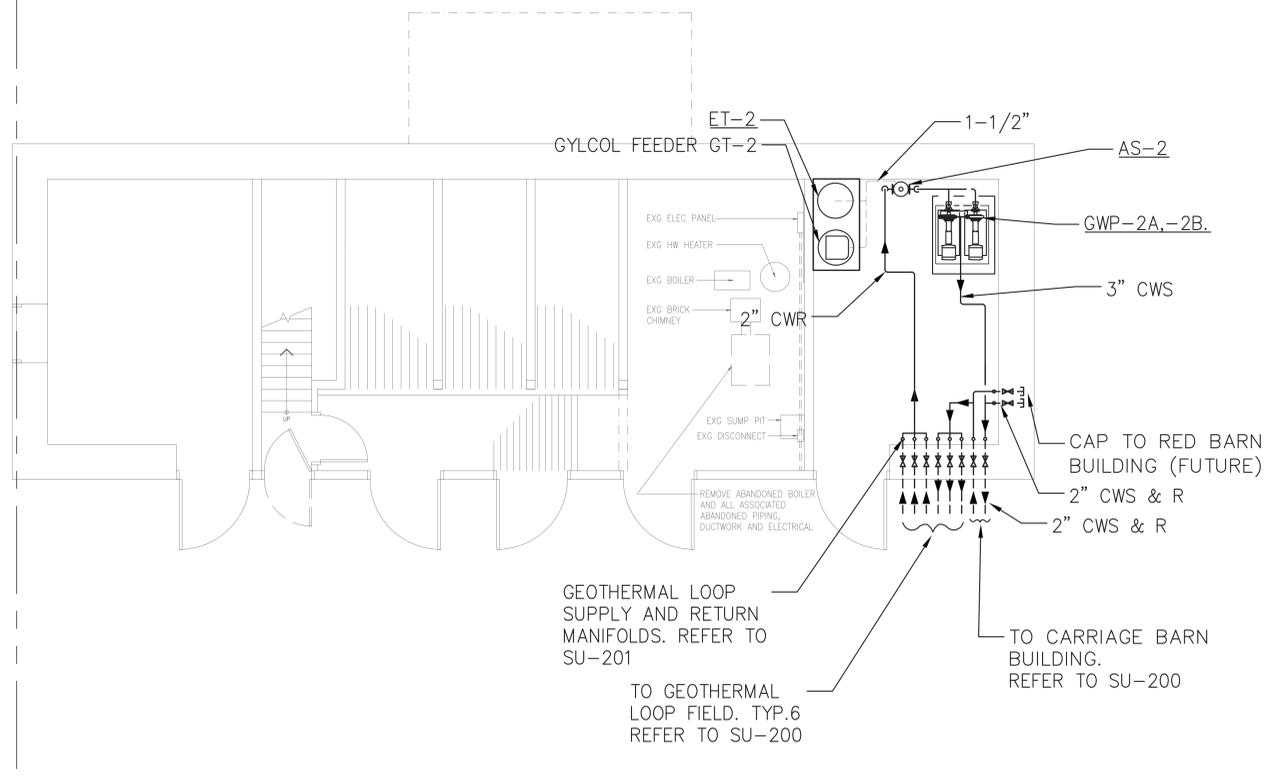
REMARKS:
1) PROVIDE UNIT WITH 304 S.S. COALESCENCE PALL RINGS and CL300 flange connection and support.

GLYCOL FEEDER SCHEDULE

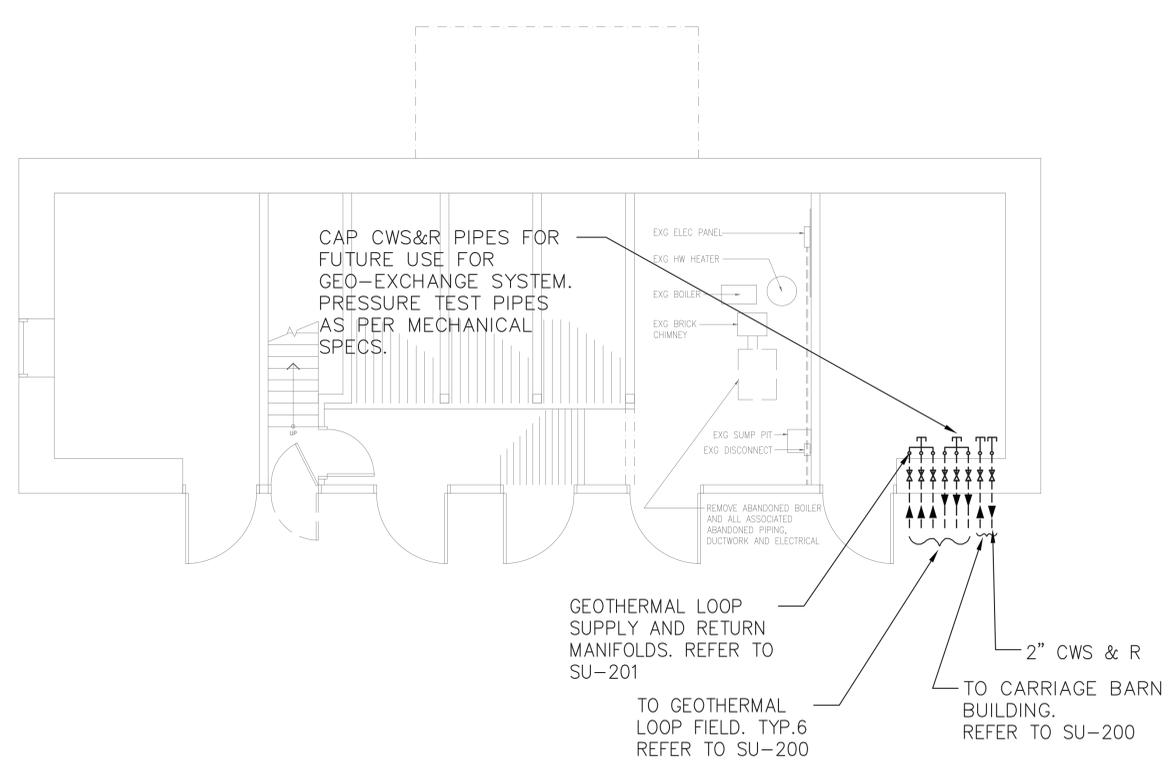
MARK	TYPE	DESIGNATION	MFR	MODEL	PUMP				ELECTRICAL		WATER		REMARKS
					RPM	MATERIAL	Tank GAL	WEIGHT LBS	Amps	VOLT/PH/Hz	GPM	@ PSIG	
GT-2	Glycol Feed Tank Unit	GEOEXCH System	AXIOM	SF100	3500	Iron	55	35	0.7	115/60/1	1	50	1, 2

REMARKS:
1) Provide RIA10-1-SAA Low Level Alarm
2) Provide 2 PRV - 2nd Pressure Reducing Valve, Pressure Gauge Kit

1 M-170 ALTERNATE 1 - MECHANICAL SCHEDULES - COACHMAN HOUSE
SCALE: N.T.S.



2 M-170 ALTERNATE 1 - PROPOSED MECHANICAL PLAN - LOWER LEVEL
SCALE: 1/4"=1'-0"



3 M-170 BASE BID - PROPOSED MECHANICAL PLAN - LOWER LEVEL
SCALE: 1/4"=1'-0"

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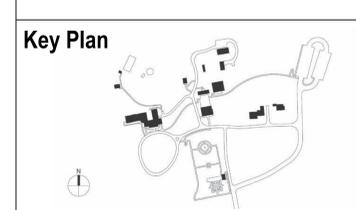
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NYS OPRHP Taconic Region
9 Old Post Rd, PO Box 308
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Regional Director: Linda Cooper
Capital District Manager: Garrett Jobson

Project Title:
John Jay Homestead Site And Building Enhancements

Project Location:
400 Jay Street
Katonah NY 10536

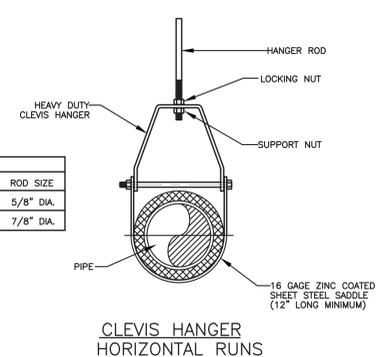
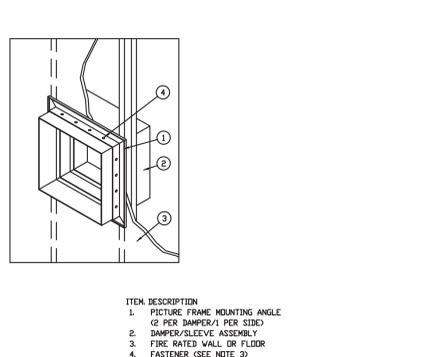
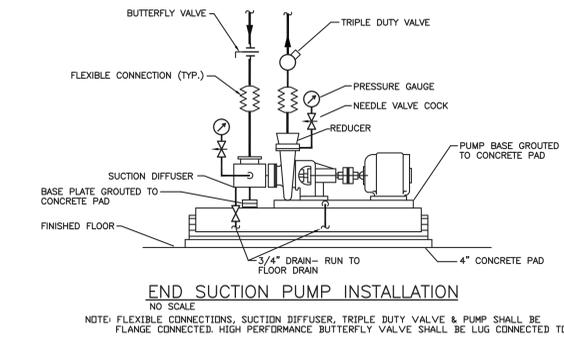


REVISIONS

Rev No	Description	Date

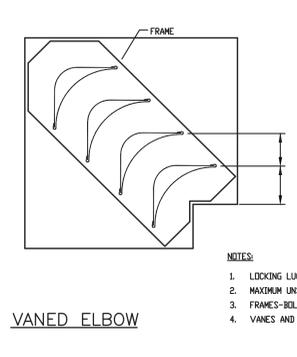
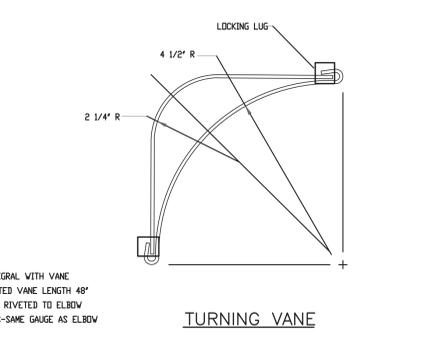
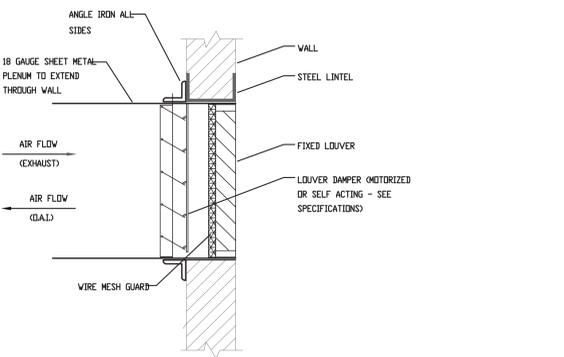
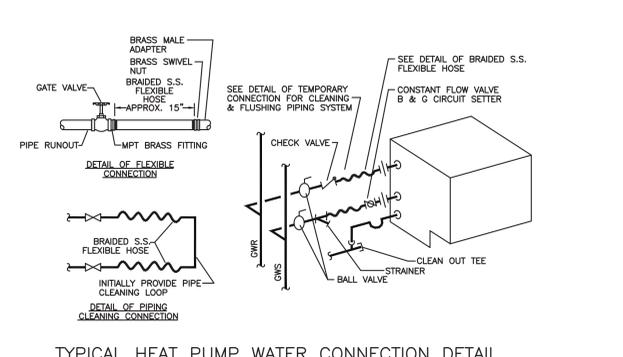
Drawn By: LFG
Design By: LFG
Checked By: LFG
Approved By: LFG
DATE: 07/10/24
Sheet Title: BEDFORD HOUSE MECHANICAL DETAILS
Drawing Number: M-201

Project Number: TA-JJ-2023-001
Sheet: 255 of 327

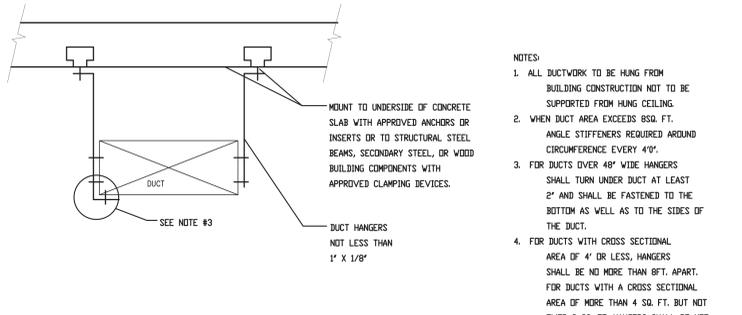
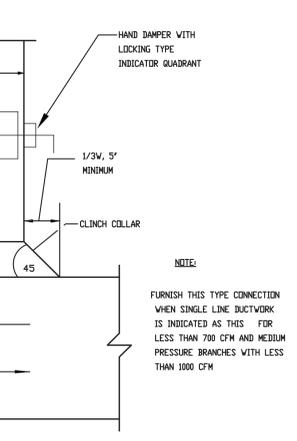


HANGER ROD SCHEDULE

PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA.	4" THRU 5"	5/8" DIA.
2 1/2" THRU 3"	1/2" DIA.	6" THRU 12"	7/8" DIA.

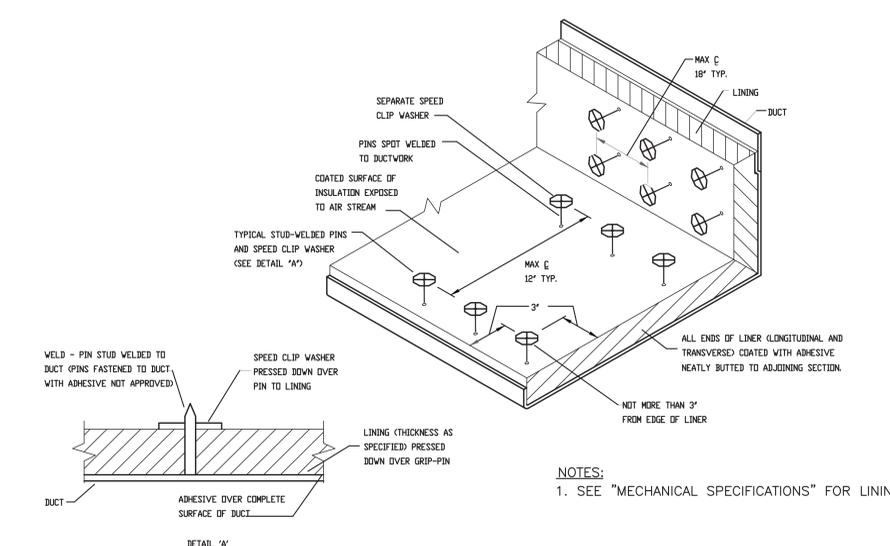
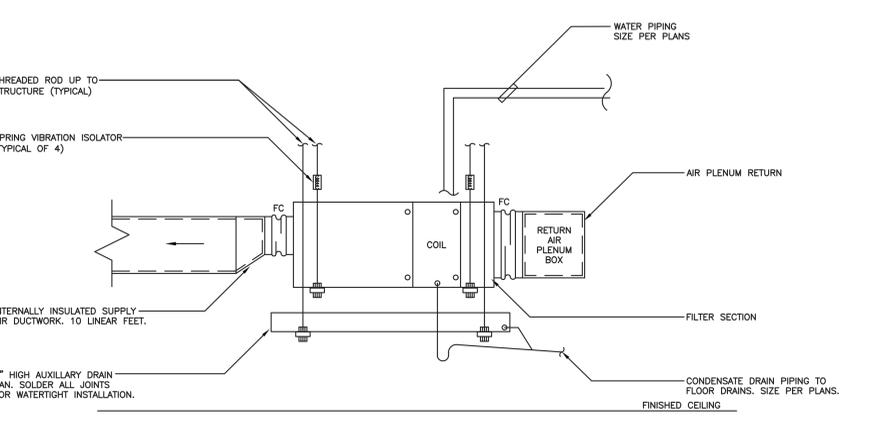


DOUBLE THICKNESS TURNING VANES FOR SQUARE ELBOW
NO SCALE



LONGEST DIMENSION OF DUCT	ROUND HANGERS	MAXIMUM SPACING SEE NOTE #4	STRAP HANGERS	TRAPEZE SHELF ANGLES
UP TO 18"	BGA WIRE	8'0"	1" X 1/8"	1" X 1" X 1/8"
19" TO 30"	1/4" ROD	8'0"	1" X 1/8"	1" X 1" X 1/8"
31" TO 42"	1/4" ROD	8'0"	1" X 1/8" GA.	1 1/2" X 1 1/2" X 1/8"
43" TO 60"	3/8" ROD	4'0"	2" X 2" X 1/8"	2" X 2" X 1/8"
61" TO 84"	3/8" ROD	4'0"	2" X 2" X 1/8"	2" X 2" X 3/16"
85" TO 96"	3/8" ROD	4'0"	2" X 2" X 1/8"	2" X 2" X 1/4"
OVER 97"	3/8" ROD	4'0"	2" X 2" X 1/4"	2" X 2" X 1/4"

- NOTES:
- ALL DUCTWORK TO BE HUNG FROM BUILDING CONSTRUCTION NOT TO BE SUPPORTED FROM HANGING CEILING.
 - WHEN DUCT AREA EXCEEDS 800 FT. ANGLE STIFFENERS REQUIRED AROUND CIRCUMFERENCE EVERY 40".
 - FOR DUCTS OVER 48" WIDE HANGERS SHALL TURN UNDER DUCT AT LEAST 2" AND SHALL BE FASTENED TO THE BOTTOM AS WELL AS TO THE SIDES OF THE DUCT.
 - FOR DUCTS WITH CROSS SECTIONAL AREA OF 4' OR LESS, HANGERS SHALL BE NO MORE THAN 8 FT. APART. FOR DUCTS WITH A CROSS SECTIONAL AREA OF MORE THAN 4 SQ. FT. BUT NOT OVER 8 SQ. FT. HANGERS SHALL BE NOT MORE THAN 6 FT. APART, AND FOR DUCTS WITH A CROSS SECTIONAL AREA OF MORE THAN 8 SQ. FT. HANGERS SHALL BE NOT MORE THAN 4 FT. APART. THE DISTANCES BETWEEN SHALL BE MEASURED LINEARLY ALONG THE DUCT.
 - VERTICAL DUCTS SHALL BE SECURELY SUPPORTED AT EACH FLOOR LEVEL BY CONTINUOUS LENGTHS OF STRUCTURAL ANGLES OF A SIZE AT LEAST EQUIVALENT TO THAT FOR STIFFENING THE ANGLES SHALL BE FASTENED TO THE OPPOSITE SIDES OF THE DUCT AND SHALL EXTEND ACROSS THE OPENING AND BEAR UPON THE STRUCTURE OR SLAB ON BOTH SIDES OF THE OPENING.
 - PROVIDE SEISMIC SUPPORT FOR HVAC DUCTS IN ACCORDANCE WITH APPLICABLE CODES.



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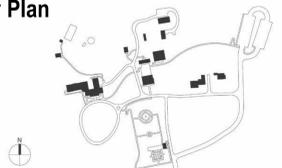
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Regional Director: Linda Cooper
Capital District Manager: Garrett Jobson

Project Title:
John Jay Homestead Site And Building
Enhancements

Project Location:
400 Jay Street
Katonah NY 10536

Key Plan



REVISIONS

Rev No	Description	Date

Drawn By:
LFG

Design By:
LFG

Checked By:
LFG

Approved By:
LFG

DATE
07/10/24

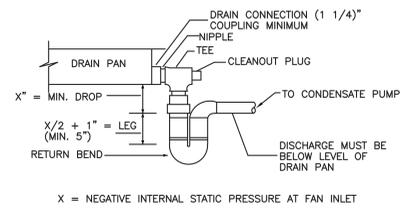
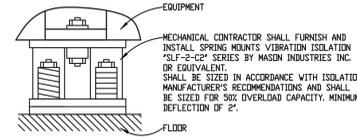
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Sheet Title
BEDFORD HOUSE
MECHANICAL DETAILS

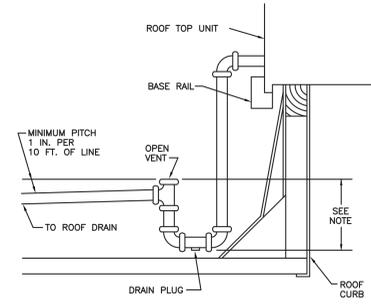
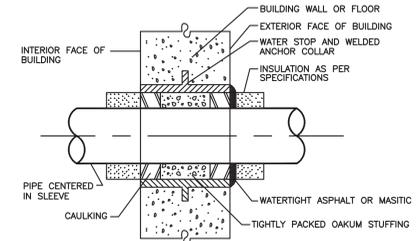
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M-202

Project Number:
TA-JJ-2023-001

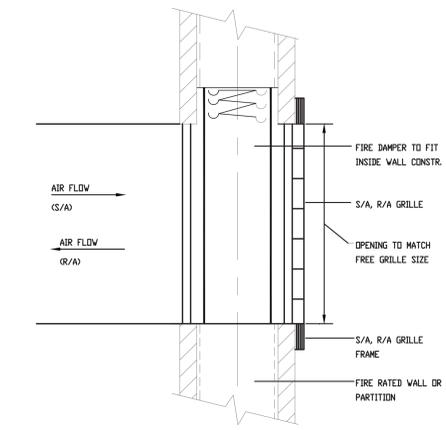
Sheet:
256 of 327



- NOTES:
1. ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP
 2. PITCH DRAIN FOR PROPER RUN-OFF
 3. MANUALLY PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL
 4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE OVERFLOW



NOTE:
TRAP SHOULD BE DEEP ENOUGH TO OFFSET
MAXIMUM UNIT STATIC DIFFERENCE. A 4 INCH
TRAP IS RECOMMENDED.





Governor Kathy Hochul Commissioner Pro Tempore Randy Simons

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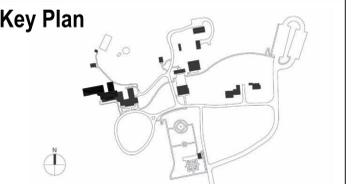
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Regional Director: Linda Cooper Capital District Manager: Garrett Jobson

Project Title: John Jay Homestead Site And Building Enhancements

Project Location: 400 Jay Street Katonah NY 10536



REVISIONS table with columns: Rev No, Description, Date

Drawn By: LFG Design By: LFG Checked By: LFG Approved By: LFG DATE: 07/10/24



Sheet Title: BEDFORD HOUSE MECHANICAL SCHEDULES Drawing Number: M-300

Project Number: TA-JJ-2023-001 Sheet: 257 of 327

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF INDOOR UNIT SCHEDULE

Main HVAC schedule table with columns: System Tag, Tag Reference, Room Name, Model, Type, Capacity, Design Conditions, Performance Data, Fan/Water Flow Data, Electrical Data, Notes/Options

- Notes & Options: 1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB) 2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB) 3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities 4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices 5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system. Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply. It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule. 6 It is recommended to always base heating corrected capacity on full demand. 7 Provide Filter Box with MERV 13 Filters 8 Provide Sauermann Condensate Pump - 230 volt

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF WATER SOURCE UNIT SCHEDULE

Water Source Unit schedule table with columns: System Tag, Tag Reference, M-NET Address, Model Number, Modules, Capacity, Design Conditions, Performance Data, Electrical Data, Notes/Options

- Notes & Options: 1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), condenser water inlet of 85°F 2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), condenser water inlet of 70°F 3 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

VRF Heat Recovery Branch Circuit Controller table with columns: System Tag, Tag Reference, M-NET Address, Model Number, Type, Number of Ports, Connected Capacity to BC, Voltage / Phase, Power Heating, MCA, Notes/Options

- Notes & Options: 1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated. 2 For sub BC controller CMB-P1012NJ-JA1 or -CB, the total connectable indoor unit capacity can be 126,000 BTUs or less. If two sub BC controllers are used, the total indoor unit capacity connected to BOTH sub BC controllers also cannot exceed 126,000 BTUs. For sub BC controller CMB-P1016NU-HB1 the total connectable indoor unit capacity can be 126,000 BTUs or less. However, if two sub controllers are used, and one of them is CMB-1016NU-HB1, the total indoor unit capacity connected to BOTH sub controllers must NOT exceed 198,000 BTUs.

Quantity schedule table with columns: Qty, Model, Description, Tag

ELECTRIC DUCT HEATER SCHEDULE

Electric Duct Heater schedule table with columns: MARK, MFR, MODEL, DUCT SIZE, FLOW CFM, EAT DEF.F, HEATING CAPACITY, INPUT KW, AMPS, VOLT/PH/Hz, REMARKS

GLYCOL FEEDER SCHEDULE

Glycol Feeder schedule table with columns: MARK, TYPE, DESIGNATION, MFR, MODEL, RPM, MATERIAL, Tank GAL, WEIGHT LBS, Amps, VOLT/PH/Hz, GPM, @ PSIG, REMARKS

EXPANSION TANK SCHEDULE

Expansion Tank schedule table with columns: MARK, TYPE, DESIGNATION, MFR, MODEL, VOLUME GAL., MAX. ACCEPT. VAL. GAL., DIA INCH, HEIGHT INCH, CONN. SIZE INCH, REMARKS

GROUND WATER PUMP SCHEDULE

Ground Water Pump schedule table with columns: MARK, TYPE, DESIGNATION, MFR, MODEL, PUMP (RPM, MATERIAL, IMPELLER DIA, WEIGHT LBS), MOTOR (HP, EFF %, VOLT/PH/Hz), WATER (GPM, HEAD (FT.H2O)), REMARKS

CONDENSATE PUMP SCHEDULE

Condensate Pump schedule table with columns: MARK, TYPE, DESIGNATION, MFR, MODEL, PUMP (RPM, CASING, TANK SIZE, WEIGHT LBS), ELECTRICAL (MOTOR HP, AMPS, VOLT/PH/Hz), PERFORMANCE (GPH, HEAD (FT.H2O)), REMARKS

AIR SEPARATOR SCHEDULE

Air Separator schedule table with columns: MARK, TYPE, DESIGNATION, MFR, MODEL, UNIT (OPTIMUM FLOW GPM, DIA INCH, HEIGHT INCH, PIPE SIZE INCH, WEIGHT LBS), REMARKS

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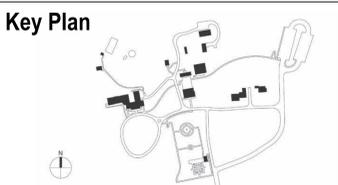


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Rev No	Description	Date

Drawn By:
LFG
Design By:
LFG
Checked By:
LFG
Approved By:
LFG
DATE
07/10/24



Sheet Title
BEDFORD HOUSE
MECHANICAL
DIAGRAMS

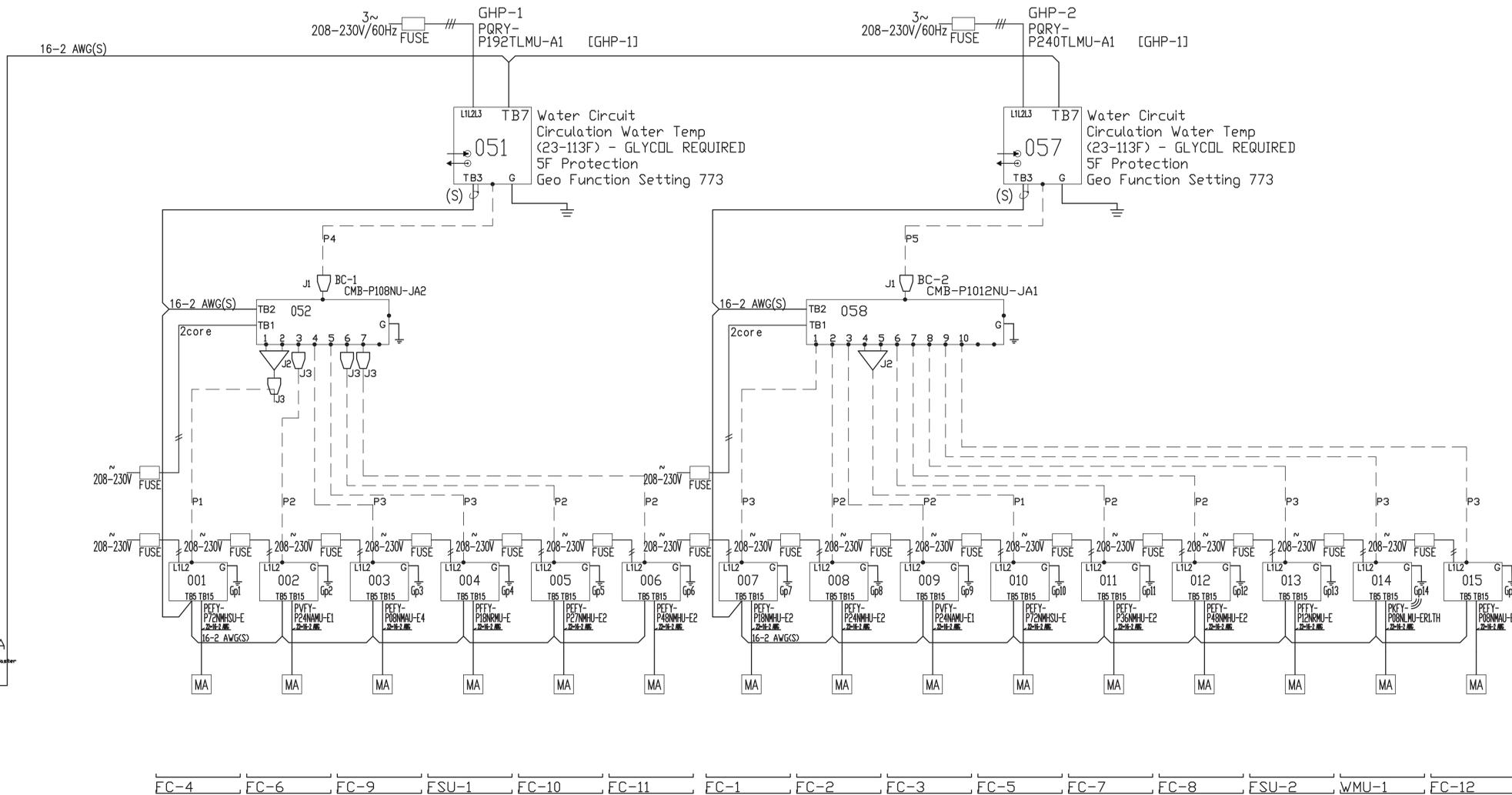
Drawing Number
M-401

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm²(16 AWG) : 1.25mm²(16 AWG) or more. 0.75mm²(20 AWG) : between 0.5mm²(24 AWG) and 0.75mm²(20 AWG).

CITY MULTI
SYSTEM SCHEMATIC DWG.

DIAGRAM DISPLAY	SYMBOL LEGEND DESCRIPTION	CONT.No	PAGE
---	POWER WIRE		
---	CONTROL WIRE		
---	REF. PIPE		

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R302S-G1
J2	CMY-R160-J1
J3	Reducer
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	3/8 / 3/4
P2	3/8 / 5/8
P3	1/4 / 1/2
P4	7/8 / 1-1/8
P5	7/8 / 1-3/8
SYMBOL	MODEL NUMBER
MA	PAR-41MAAU



Diamond System Builder
sw: 5.3.1.1
olo: 5.3.1.8
5/10/2024
9:37 AM

REMARKS
Comments:

