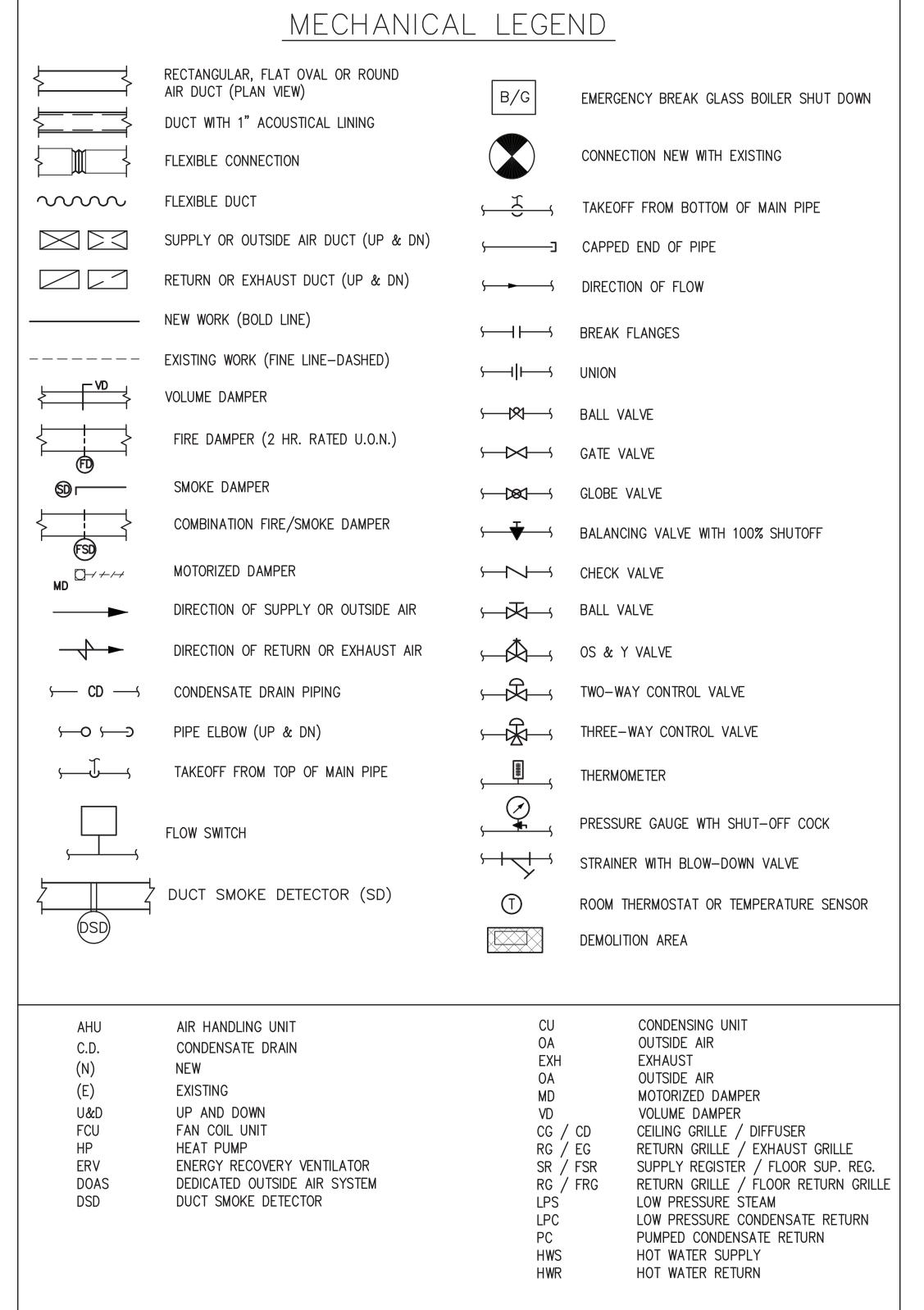
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TRADE	DRAWING NUMBER	DRAWING DESCRIPTION
	M-001	MECHANICAL LEGEND AND NOTES
	MD-100	BEDFORD HOUSE MECHANICAL DEMO BASEMENT PLAN
	MD-101	BEDFORD HOUSE MECHANICAL DEMO 1ST FLOOR PLAN
	MD-102	BEDFORD HOUSE MECHANICAL DEMO 2ND FLOOR PLAN
	MD-103	BEDFORD 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
HVAC	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-500	GEOTHERMAL SITE PLAN
	SU-201	GEOTHERMAL DETAILS AND SCHEDULE

MECHANICAL DRAWINGS SCHEDULES

M-001 N.T.S.





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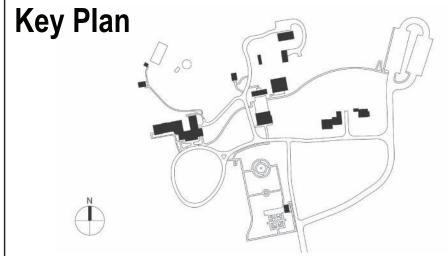
NYS OPRHP Taconic Region 9 Old Post Rd, PO Box 308 Staatsburg, NY 12580 (845) 889 - 4100

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



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07/10/24 Sheet Title **Drawing Number**

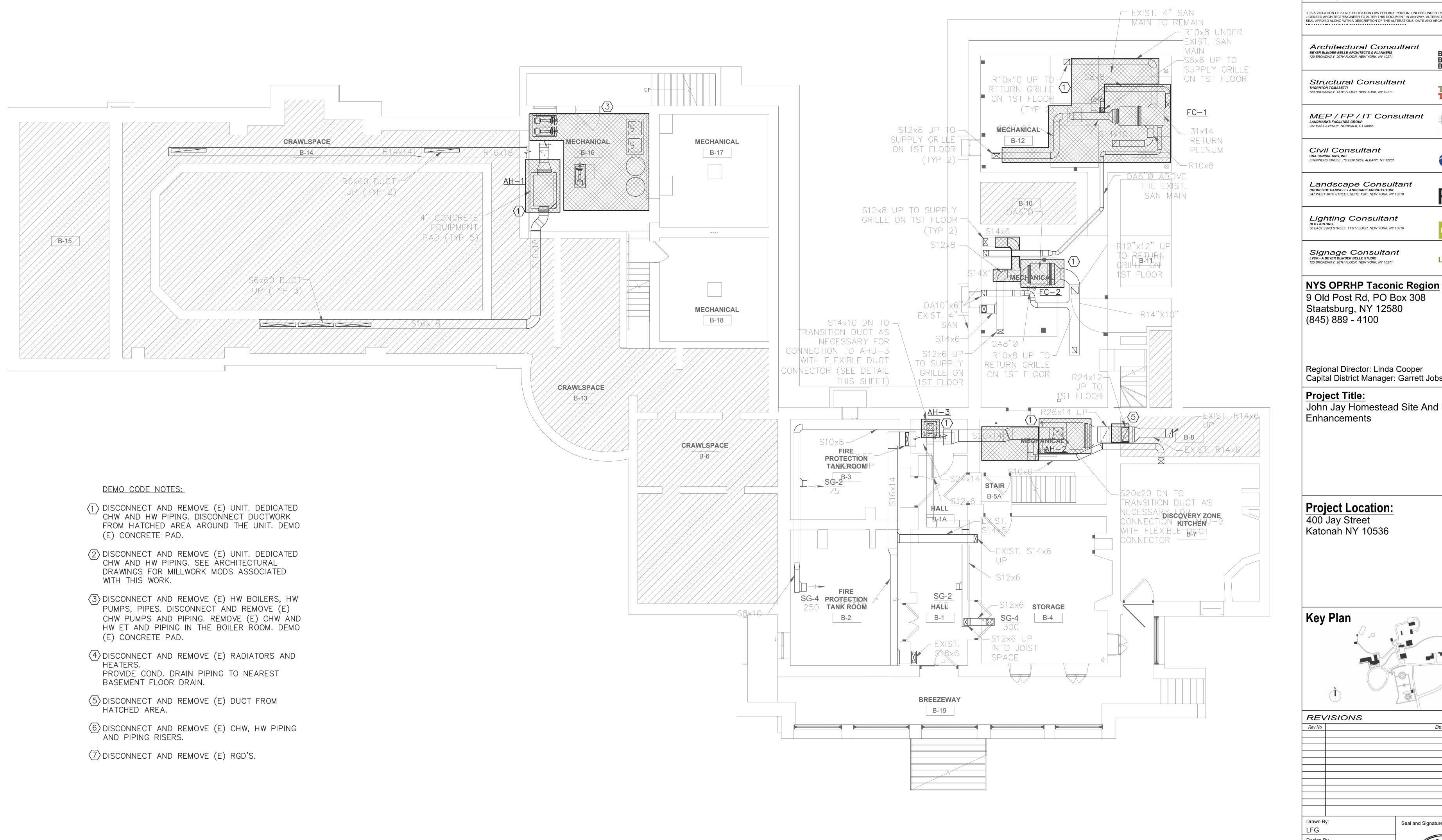
JOHN JAY HOMESTEAD M-001 MECHANICAL LEGEND AND NOTES

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Project Number: TA-JJ-2023-001

Sheet: 242 of 327

MECHANICAL LEGEND AND SYMBOLS





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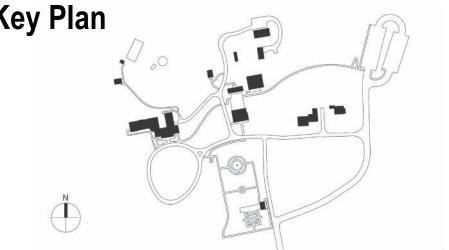
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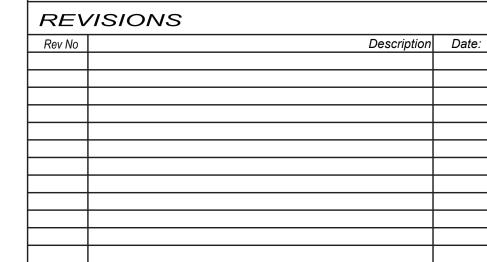
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Regional Director: Linda Cooper Capital District Manager: Garrett Jobson

John Jay Homestead Site And Building





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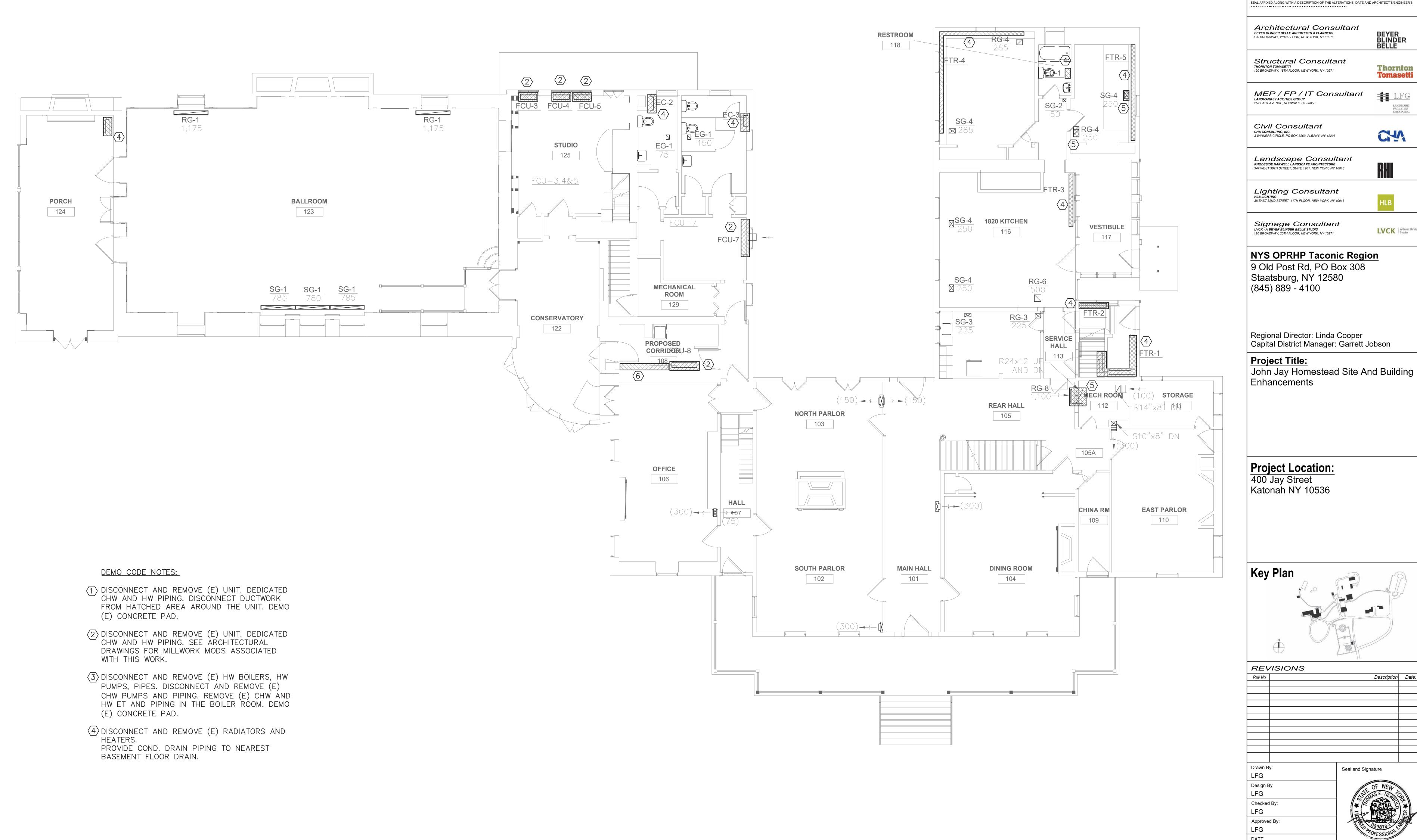
BEDFORD HOUSE MECHANICAL DEMO BASEMENT PLAN

Sheet Title

MD-100

TA-JJ-2023-001

Sheet: 243 of 327



PROPOSED MECHANICAL DEMOLITION 1ST FLOOR PLAN

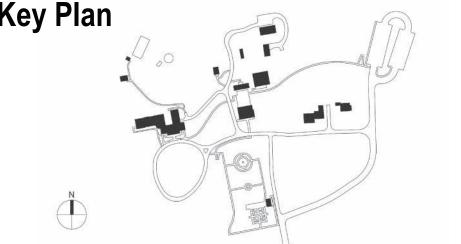
MD-101 SCALE: 3/16"=1'-0"

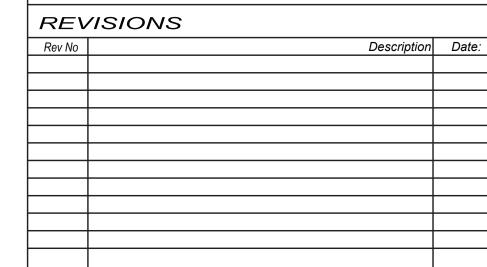
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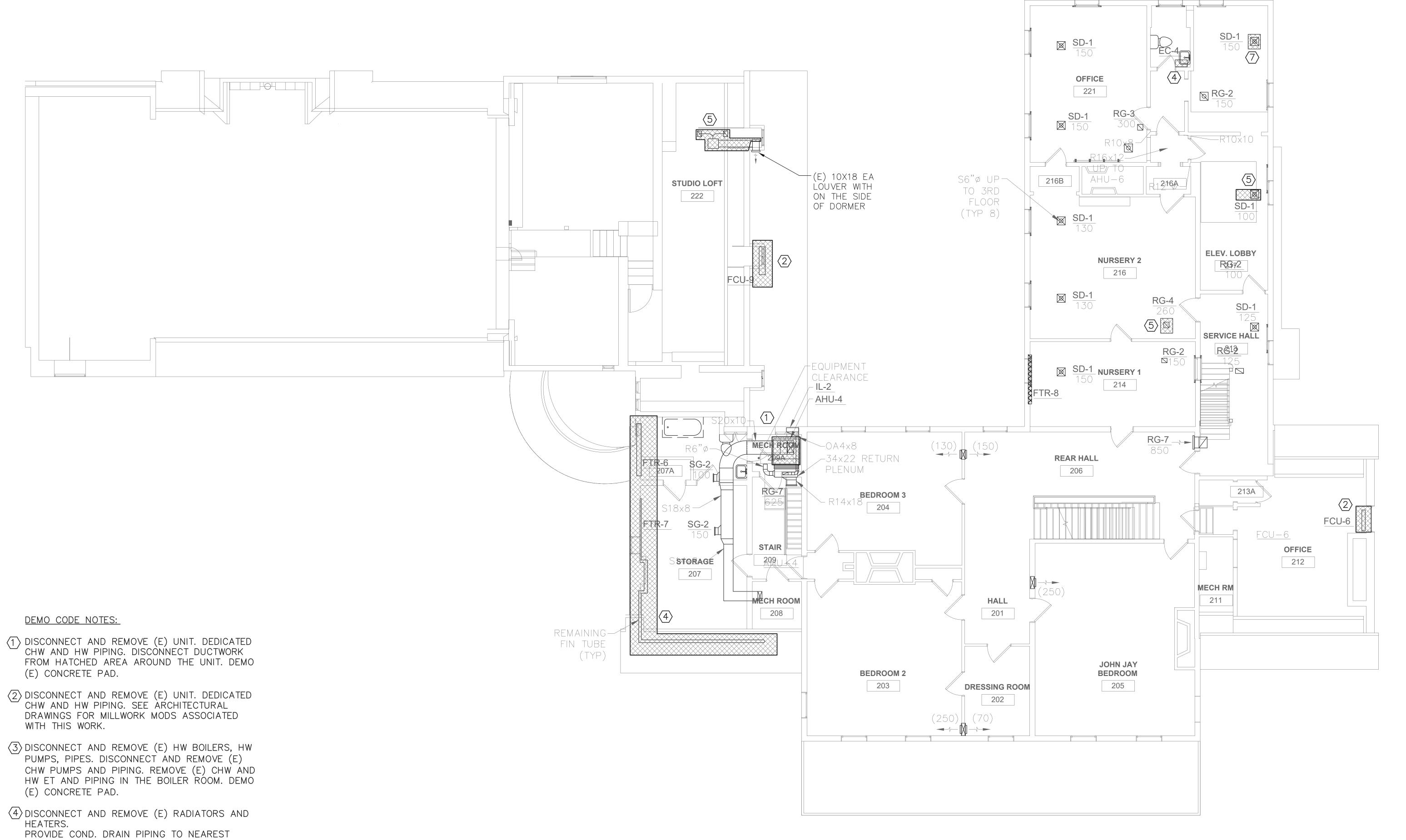


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BEDFORD HOUSE **MD-101** MECHANICAL DEMO 1ST FLOOR PLAN

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





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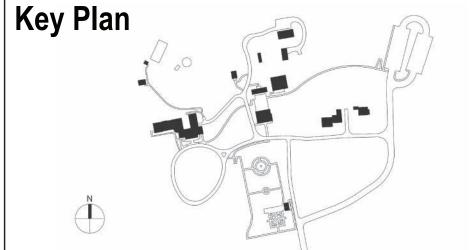
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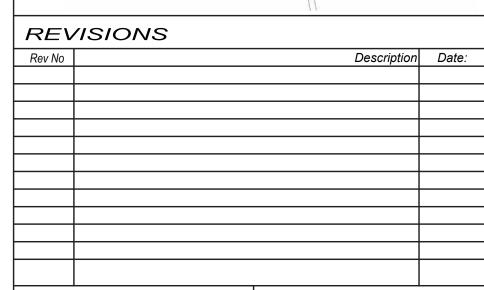
Regional Director: Linda Cooper Capital District Manager: Garrett Jobson

Project Title: John Jay Homestead Site And Building

Enhancements

Project Location: 400 Jay Street Katonah NY 10536





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BEDFORD HOUSE **MD-102** MECHANICAL DEMO 2ND FLOOR PLAN

Project Number: TA-JJ-2023-001 Sheet: 245 of 327

PROPOSED MECHANICAL DEMOLITION 2ND FLOOR PLAN

MD-102 SCALE: 3/16"=1'-0"

BASEMENT FLOOR DRAIN.

S14x14 _S10x8 S12×10— - S10x6 \sim R16x12 AHU-5 — R16x12 DN TO 2ND FL - S8x6 S6"∅ DN TO-SUPPLY DIFFUSER ON SECOND FLOOR (TYP 8) S10x8-/ EXIST. AHU IN — — ATHC SPACE

S12x12-



- 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.



MD-103 SCALE: 3/16"=1'-0"

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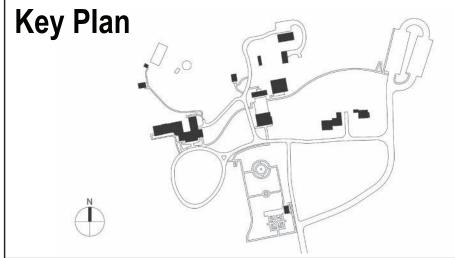
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Regional Director: Linda Cooper Capital District Manager: Garrett Jobson

Project Title: John Jay Homestead Site And Building

Enhancements

Project Location: 400 Jay Street Katonah NY 10536



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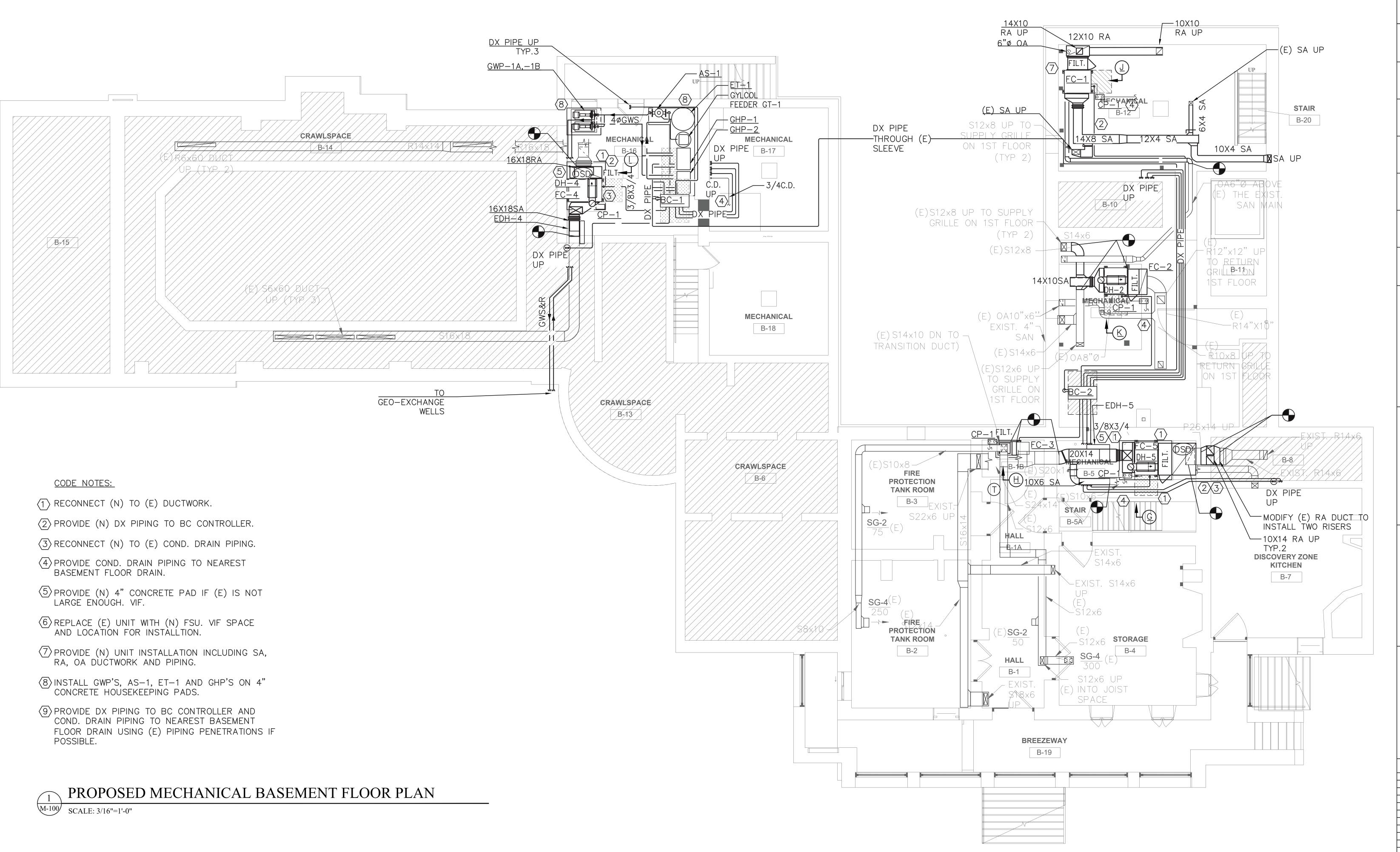
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BEDFORD HOUSE MECHANICAL DEMO 3RD FLOOR PLAN

MD-103

Project Number: TA-JJ-2023-001

Sheet: 246 of 327





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HLB

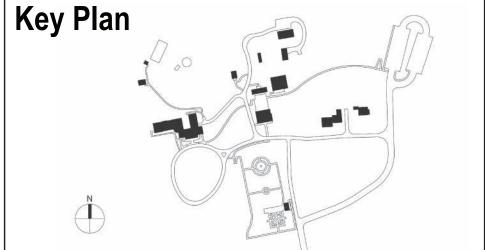
Signage Consultant LVCK - A BEYER BLINDER BELLE STUDIO 120 BROADWAY, 20TH FLOOR, NEW YORK, NY 10271 LVCK | A Beyer Blinder Bi

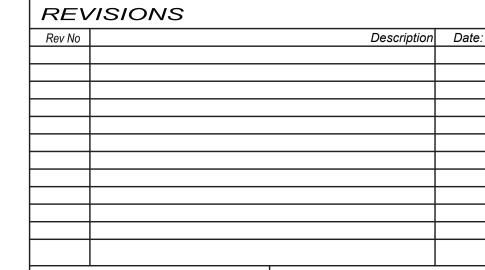
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(845) 889 - 4100

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





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LFG

Design By

LFG

Checked By:

LFG

Approved By:

LFG

DATE

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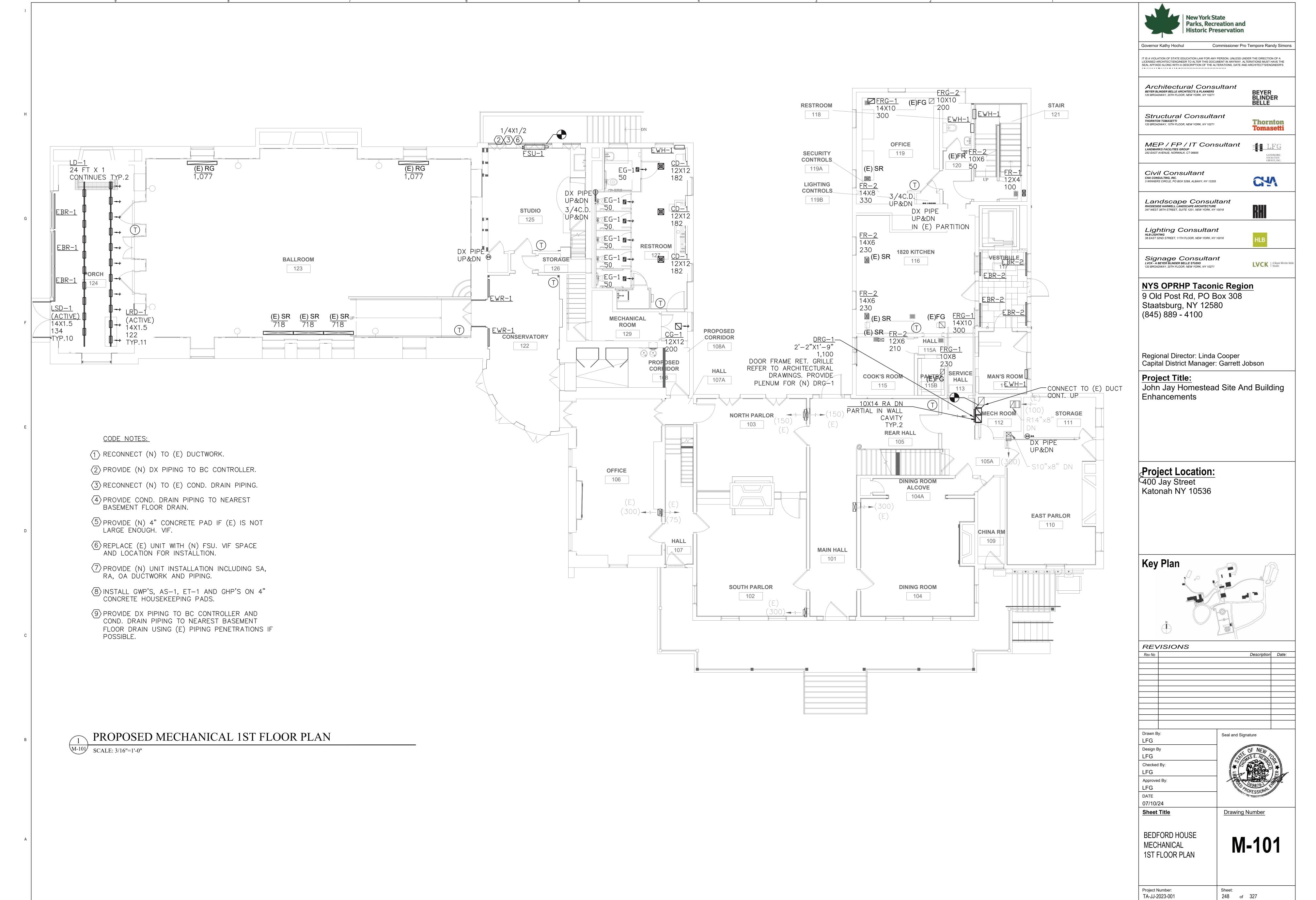
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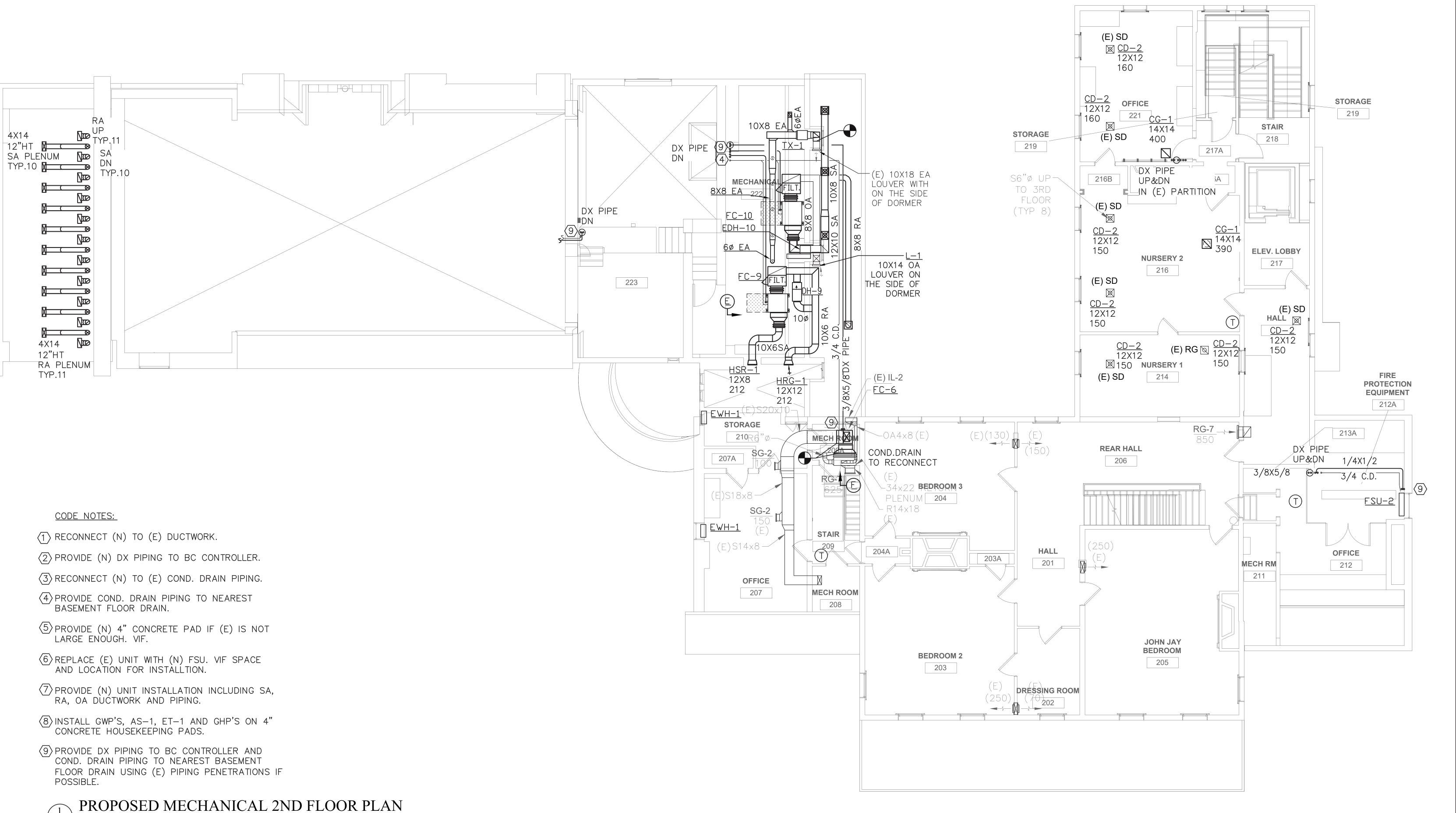
BEDFORD HOUSE MECHANICAL BASEMENT PLAN

M-100

 Project Number:
 Sheet:

 TA-JJ-2023-001
 247 of 327





M-102 SCALE: 3/16"=1'-0"



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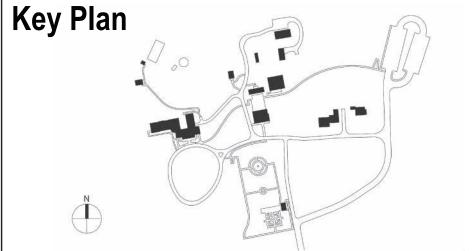
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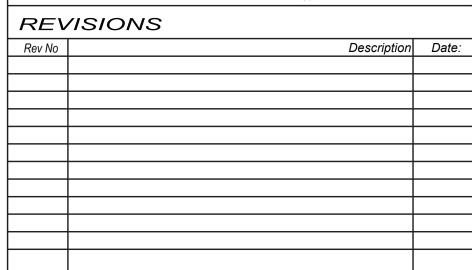
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Project Title: John Jay Homestead Site And Building Enhancements

Project Location: 400 Jay Street Katonah NY 10536





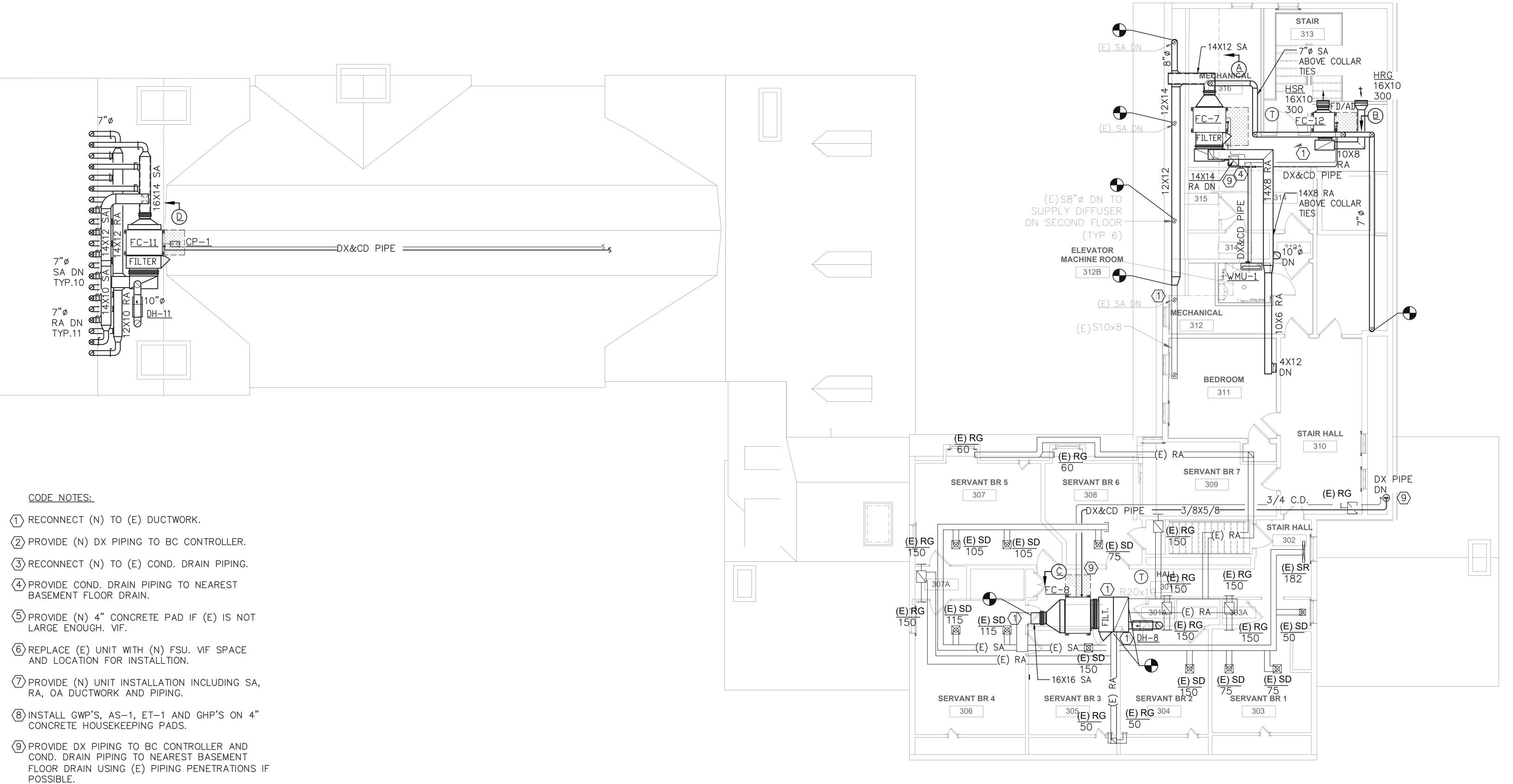
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BEDFORD HOUSE **MECHANICAL** 2ND FLOOR PLAN

Project Number: TA-JJ-2023-001 Sheet: 249 of 327





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John Jay Homestead Site And Building Enhancements

Project Location: 400 Jay Street Katonah NY 10536

Key Plan

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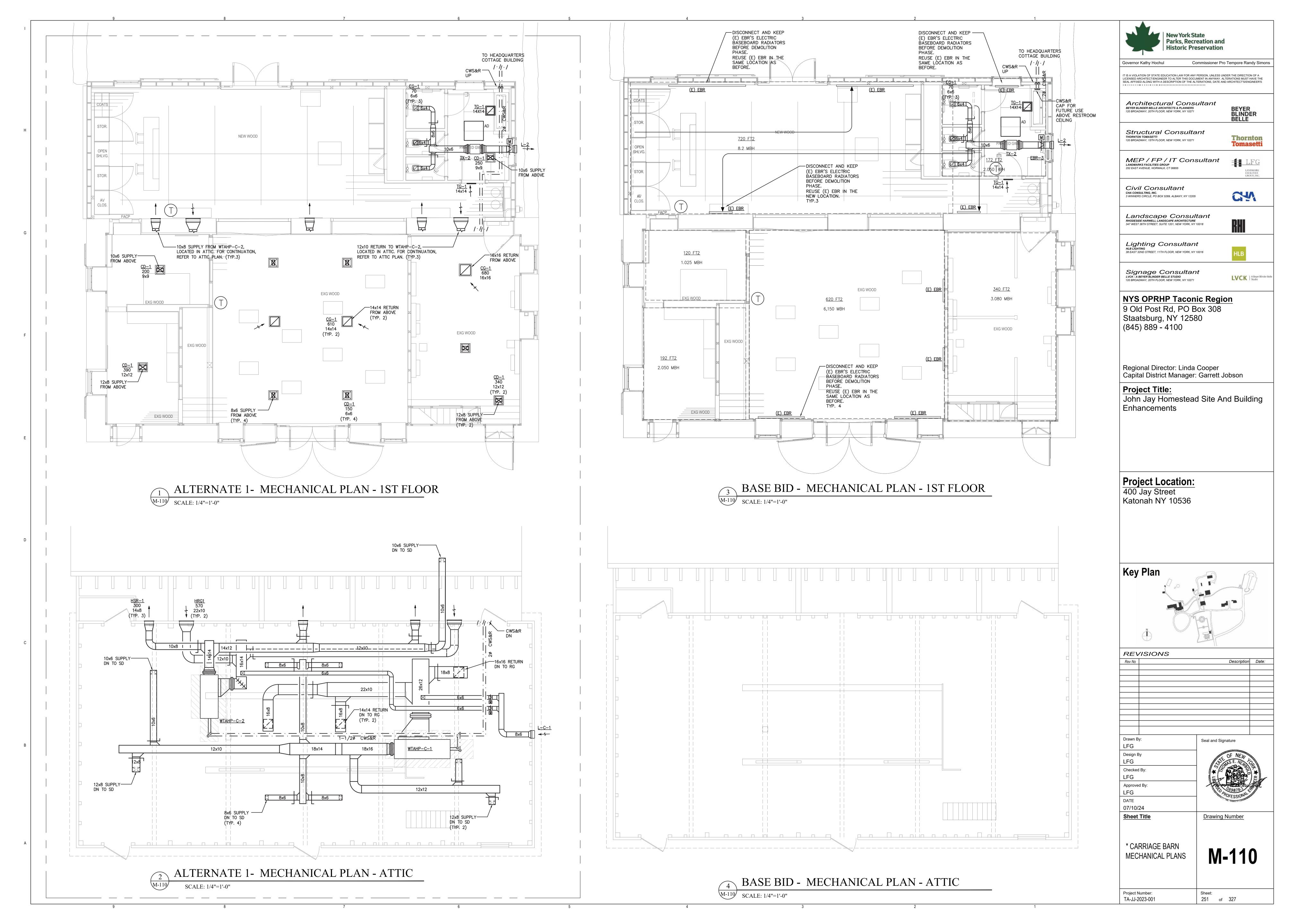
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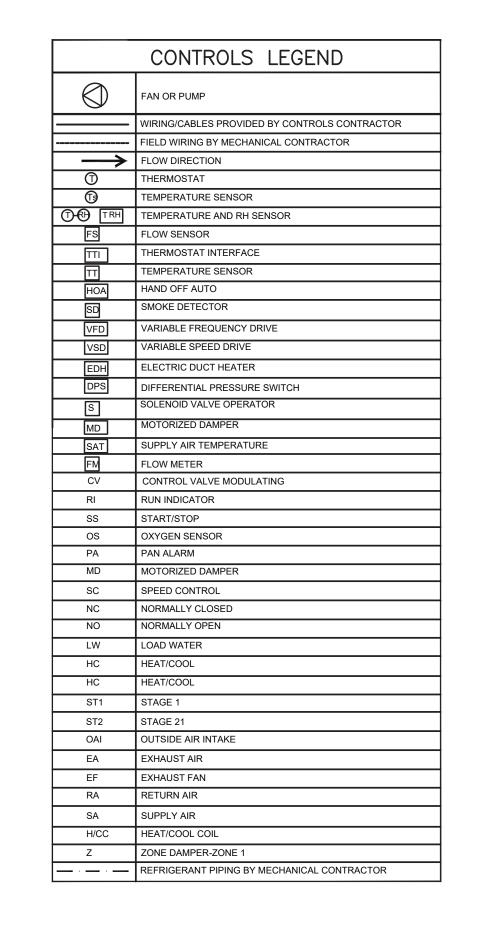
BEDFORD HOUSE M-103 MECHANICAL 3RD FLOOR PLAN

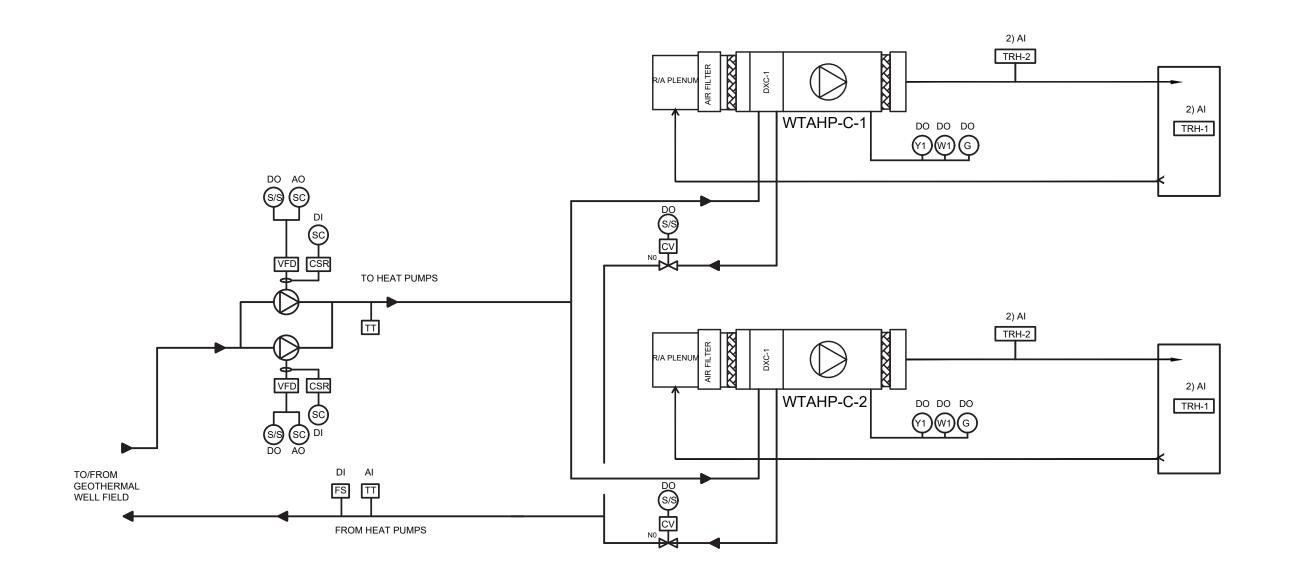
Project Number: TA-JJ-2023-001 Sheet: 250 of 327

PROPOSED MECHANICAL 3RD FLOOR PLAN

M-103 SCALE: 3/16"=1'-0"







CONTROLS DEVICES								
DESIGNATION	MANUFACTURER	MODEL	DESCRIPTION	POWER				
TRH-1	VAISALA	HMW92(D)	T & RH TRANSMITTER WITH DISPLAY (4-20MA)					
TRH-2	VAISALA	HMD92	DUCT MOUNTED T & RH TRANSMITTER (4-20MA)					
GENERAL REMAI	RKS:							
1. NO SUBSTITUTIONS SHALL BE PERMITTED FOR TRH-1 OR TRH-2. 2. PROVIDE DISPLAY ON TRH-1 WITH SLIDE COVER								





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Lighting Consultant HLB LIGHTING 38 EAST 32ND STREET, 11TH FLOOR, NEW YORK, NY 10016



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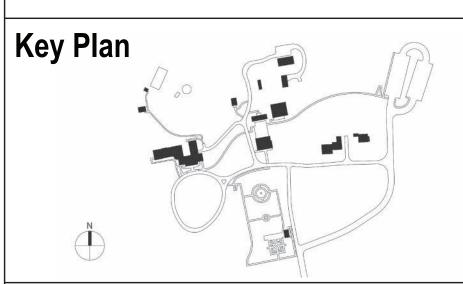
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Regional Director: Linda Cooper Capital District Manager: Garrett Jobson

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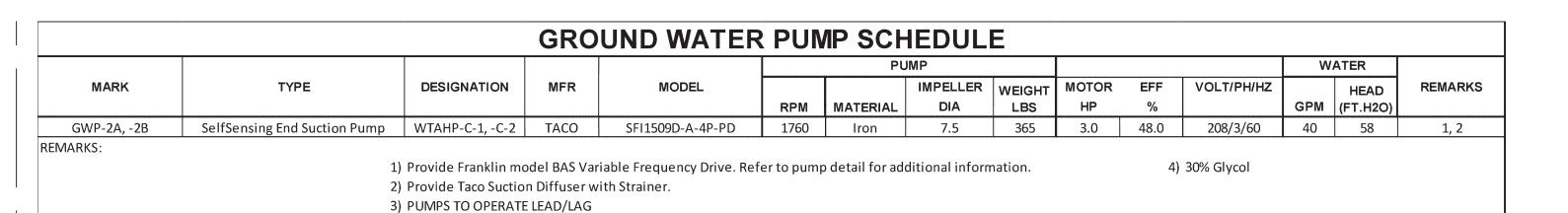
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CONTROL SYSTEM

ALTERNATE #1

Sheet: 252 of 327 TA-JJ-2023-001



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

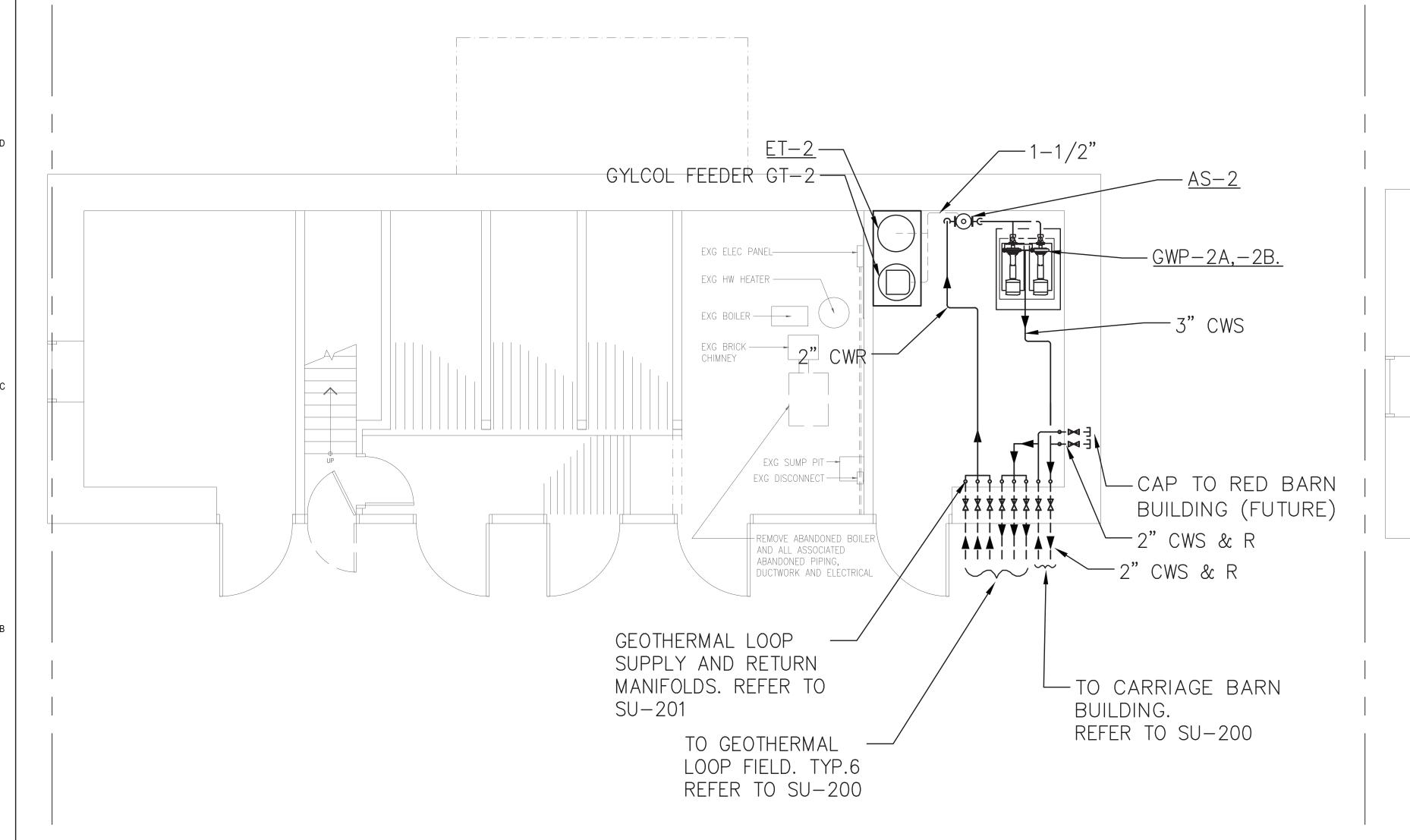
AIR SEPARATOR SCHEDULE											
	UNIT										
MARK	TYPE	DESIGNATION	MFR	MODEL	SURF. AREA	FLOW	DIA	HEIGHT	PIPE SIZE	WEIGHT	REMAR
					SQ.FT.	GPM	INCH	INCH	INCH	LBS	1
AS-2	Air / Dirt Separator	GW Loop	TACO	4902ADH-125	129.5	40.0	12.0	32.0	2	100	1
REMARKS											
	1)	PROVIDE UNIT WITH	304 S.S. COALES	CENCE PALL RINGS a	nd CL300 flange con	nection and supp	ort.				

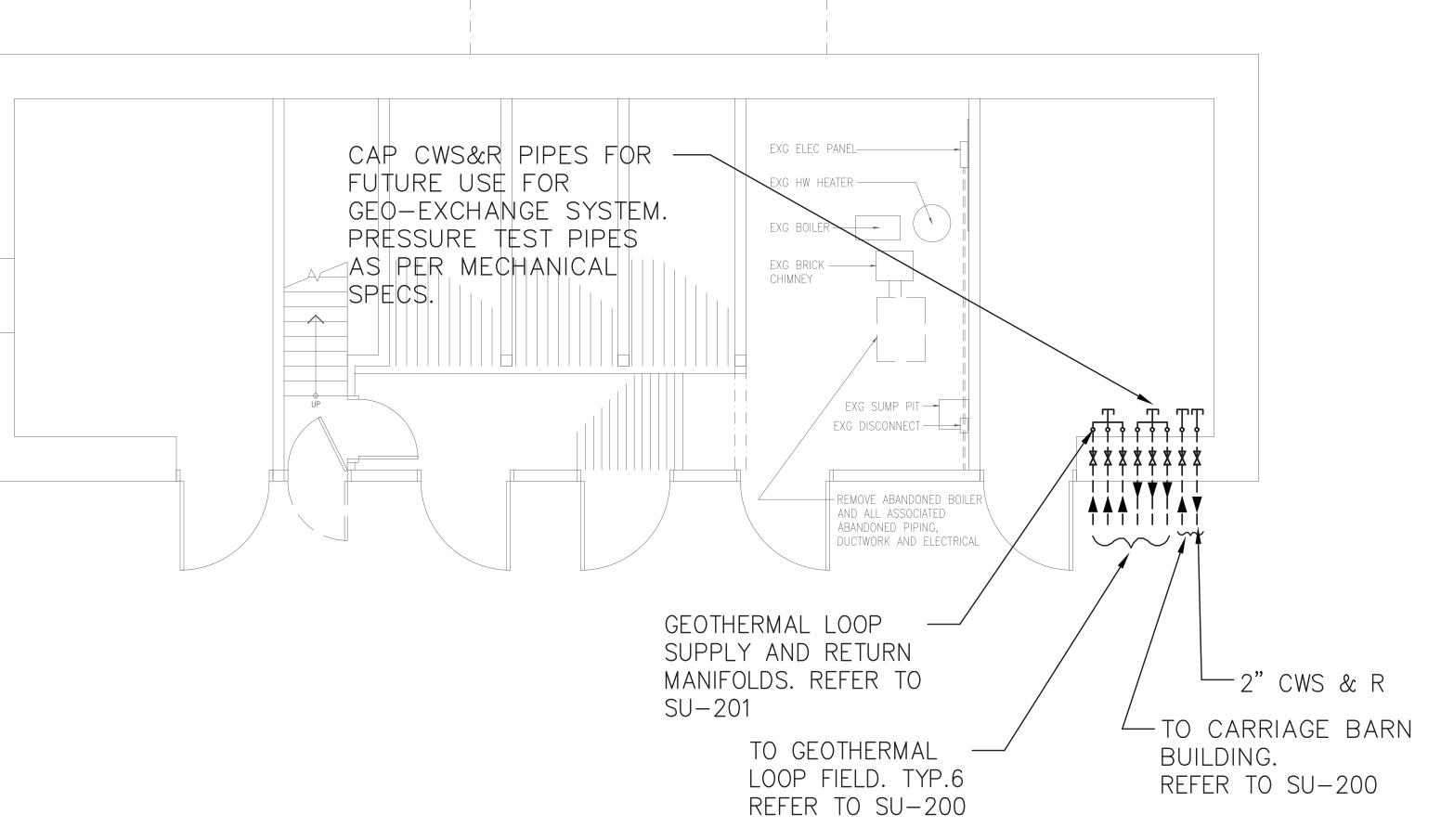
	GLYCOL FEEDER SCHEDULE												
	PUMP ELECTRICAL WATER												
MARK	TYPE	DESIGNATION	MFR	MODEL			Tank	WEIGHT	Amps	VOLT/PH/HZ			REMARK
					RPM	MATERIAL	GAL	LBS			GPM	@ PSIG	
GT-2	Glycol Feed Tank Unit	GEOEXCH System	AXIOM	SF100	3500	Iron	55	35	0.7	115/60/1	1	50	1, 2
REMARKS:													
	1	l) Provide RIA10-1-SAA L	ow Level Alarm										
	2	2) Provide 2 PRV - 2nd Pre	essure Reducing	Valve, Pressure Gau	ıge Kit								

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

ALTERNATE 1 - PROPOSED MECHANICAL PLAN - LOWER LEVEL

M-170 SCALE: 1/4"=1'-0"





BASE BID - PROPOSED MECHANICAL PLAN - LOWER LEVEL

M-170 **S**CALE: 1/4"=1'-0"



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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

Key Plan

REVISIONS		
Rev No	Description	Dat
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Drawn By:

LFG

Design By

Seal and Signature

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Design By
LFG
Checked By:
LFG
Approved By:

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DATE
07/10/24
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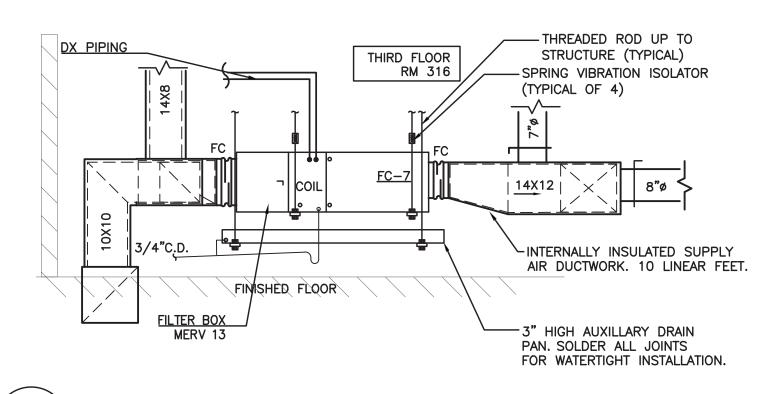
<u>Drawing Number</u>

* COACHMAN'S HOUSE MECHANICAL PLANS AND SCHEDULES M-170

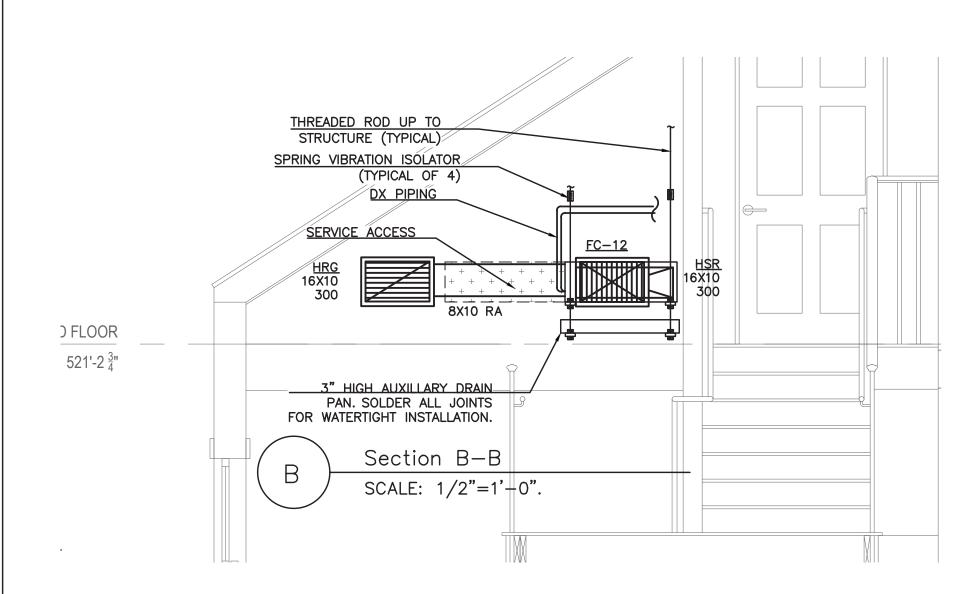
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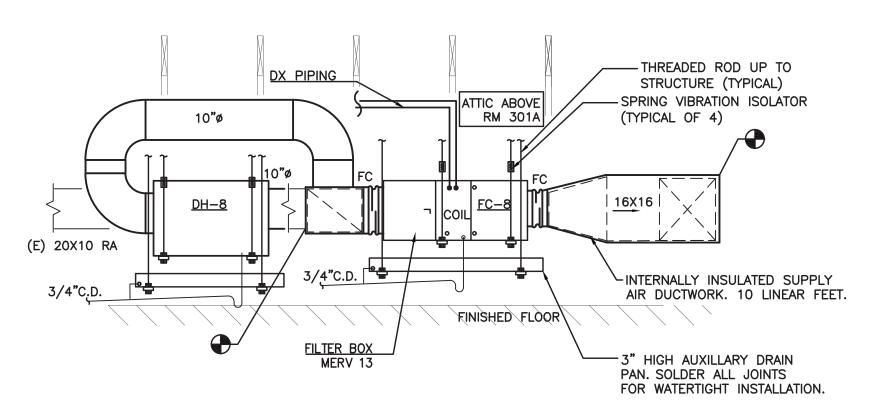
 Project Number:
 Sheet:

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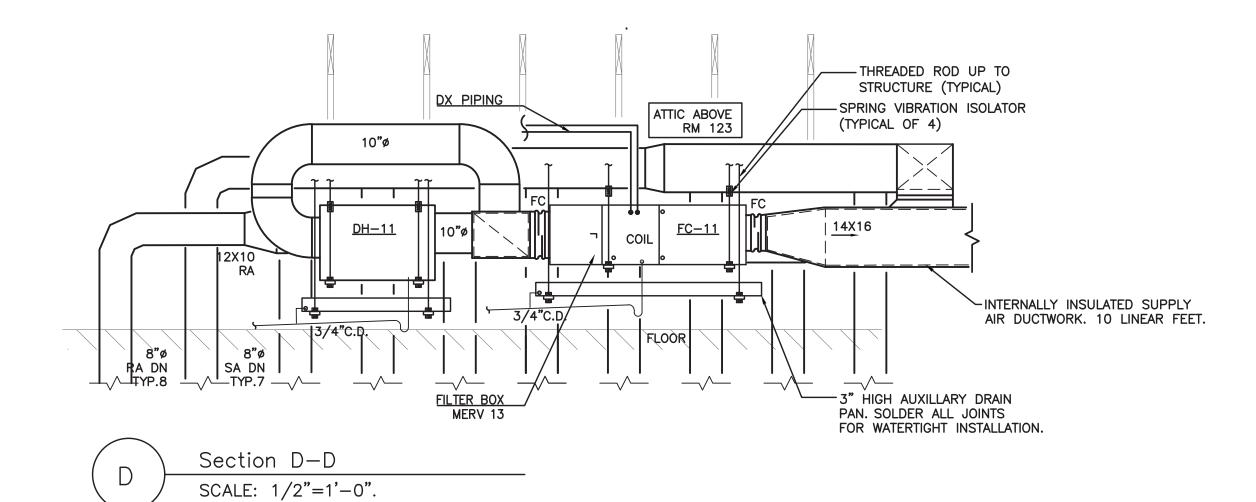


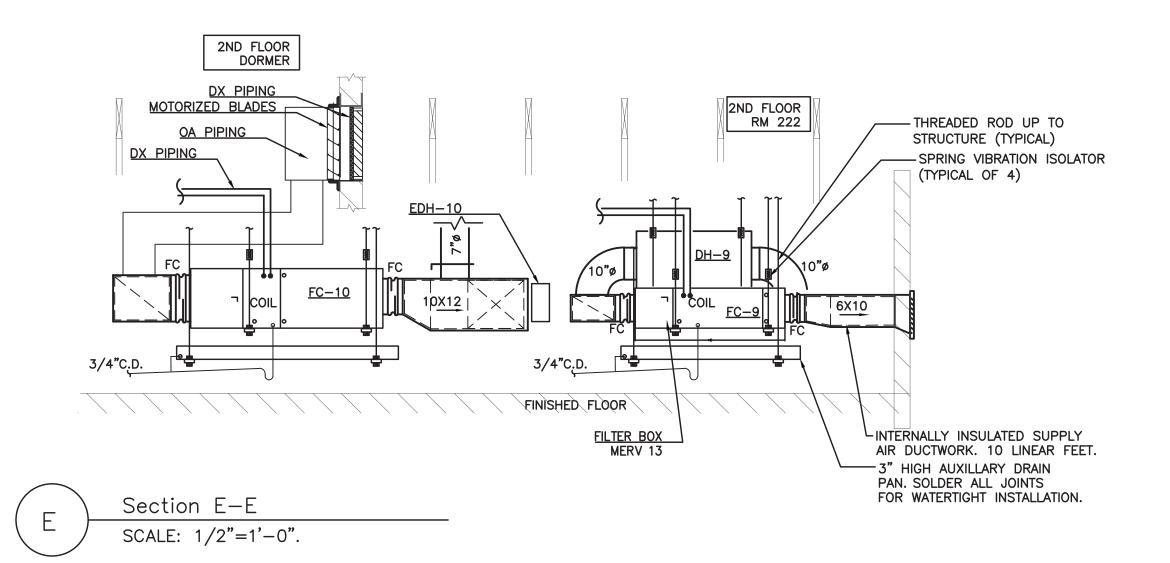
Section A-A SCALE: 1/2"=1'-0".

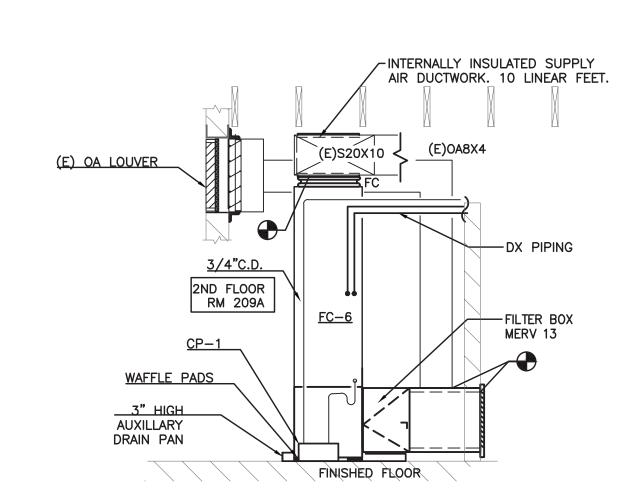


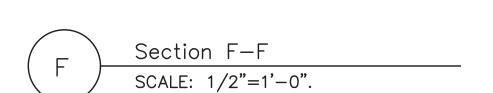


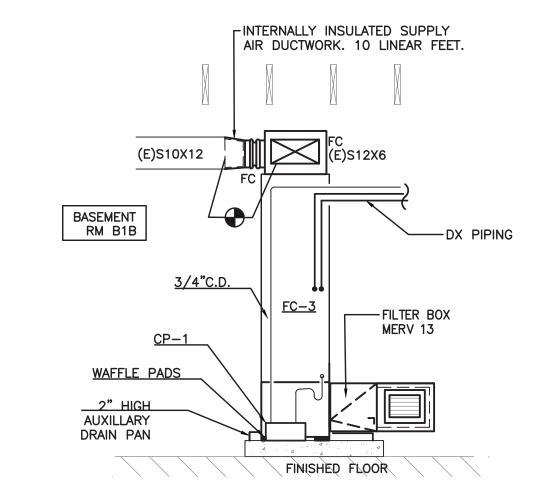
Section C-C SCALE: 1/2"=1'-0".

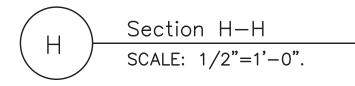


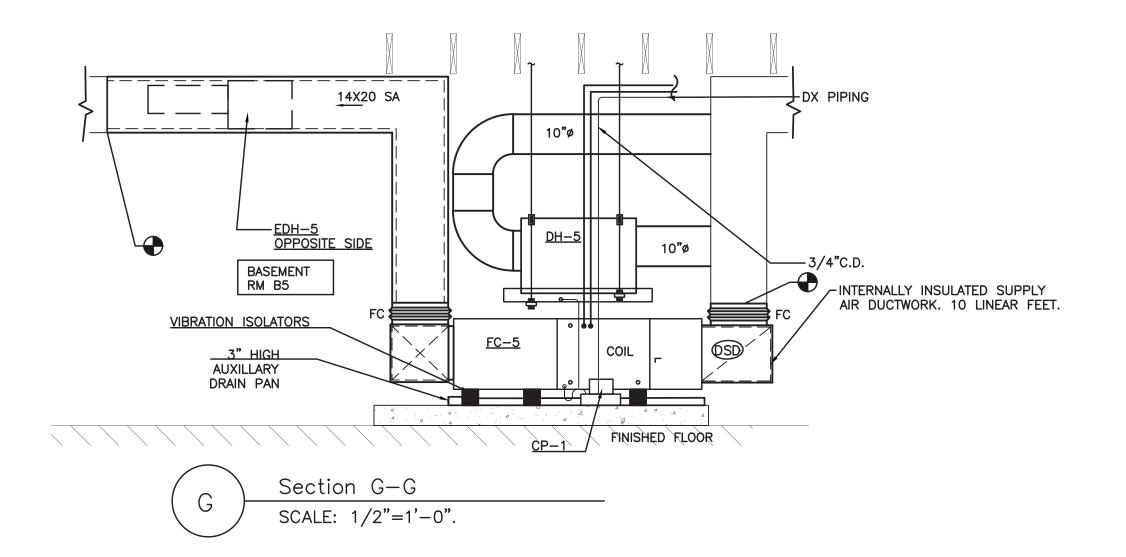


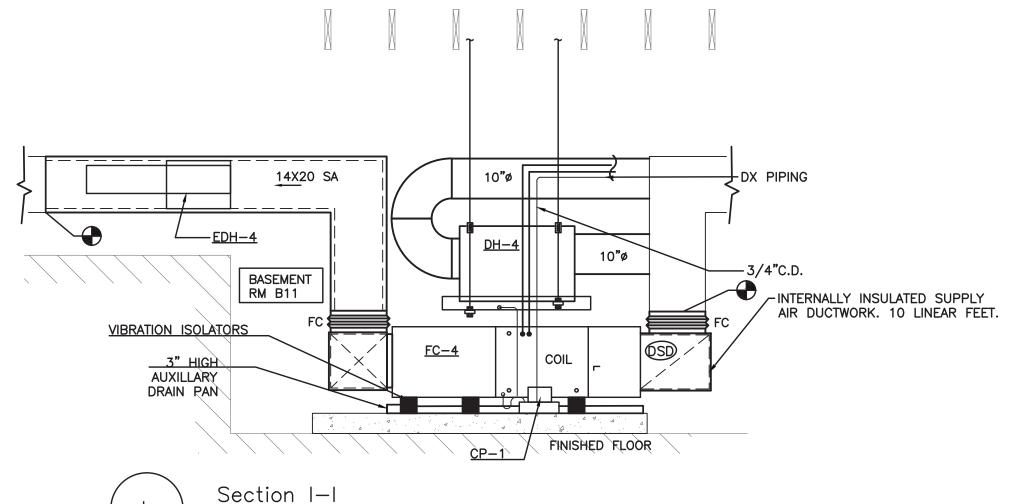


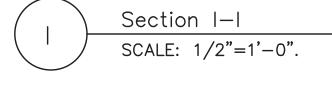














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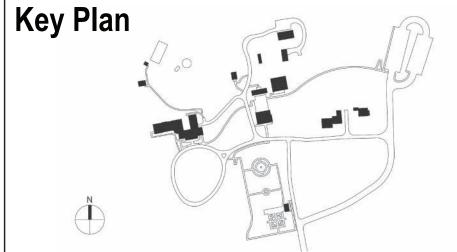
NYS OPRHP Taconic Region 9 Old Post Rd, PO Box 308 Staatsburg, NY 12580 (845) 889 - 4100

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



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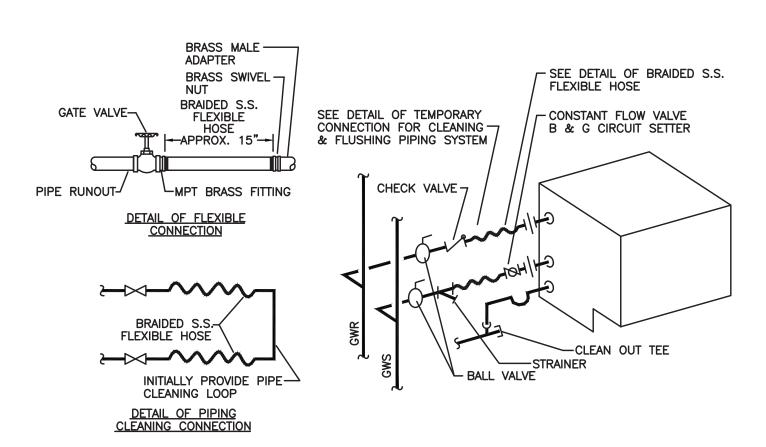
BEDFORD HOUSE | MECHANICAL SECTIONS

M-200

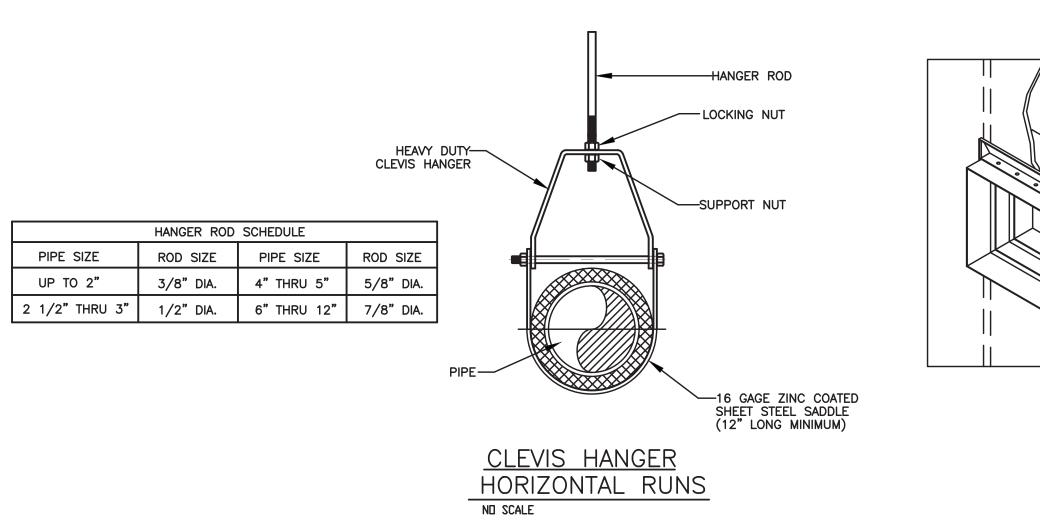
Project Number: TA-JJ-2023-001 Sheet: 254 of 327

MECHANICAL SECTIONS

M-200 SCALE: 1/2"=1'-0"



TYPICAL HEAT PUMP WATER CONNECTION DETAIL NO SCALE



VANED ELBOW

FIRE DAMPER INSTALLATION DETAIL

2 1/4" R-

1. LOCKING LUGS INTEGRAL WITH VANE

2. MAXIMUM UNSUPPORTED VANE LENGTH 48'

4. VANES AND FRAMES-SAME GAUGE AS ELBOW

DOUBLE THICKNESS TURNING VANES

FOR SQUARE ELBOW

3. FRAMES-BOLTED OR RIVETED TO ELBOW

ITEM. DESCRIPTION

1. PICTURE FRAME MOUNTING ANGLE

DAMPER/SLEEVE ASSEMBLY 3. FIRE RATED WALL OR FLOOR

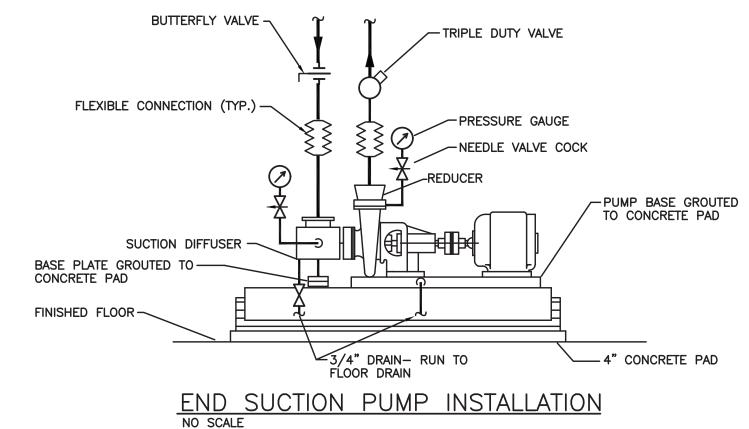
4. FASTENER (SEE NOTE 3)

4 1/2" R -

(2 PER DAMPER/1 PER SIDE)

LOCKING LUG-

TURNING VANE



NOTE: FLEXIBLE CONNECTIONS, SUCTION DIFFUSER, TRIPLE DUTY VALVE & PUMP SHALL BE FLANGE CONNECTED. HIGH PERFORMANCE BUTTERFLY VALVE SHALL BE LUG CONNECTED TO FLANGE

FIXED LOUVER

LOUVER DAMPER (MOTORIZED

NOTES:

1. ALL DUCTWORK TO BE HUNG FROM

BUILDING CONSTRUCTION NOT TO BE

ANGLE STIFFENERS REQUIRED AROUND

SHALL TURN UNDER DUCT AT LEAST

2" AND SHALL BE FASTENED TO THE

AREA OF 4' OR LESS, HANGERS

SHALL BE NO MORE THAN 8FT. APART.

FOR DUCTS WITH A CROSS SECTIONAL

MORE THAN 6FT. APART. AND FOR DUCTS WITH A CROSS SECTIONAL AREA

AREA OF MORE THAN 4 SQ. FT. BUT NOT OVER 8 SQ. FT. HANGERS SHALL BE NOT

OF MORE THAN 8 SQ. FT. HANGERS SHALL

DISTANCES BETWEEN SHALL BE MEASURED

SUPPORTED AT EACH FLOOR LEVEL BY

ANGLES OF A SIZE AT LEAST EQUIVALENT

CONTINUOUS LENGTHS OF STRUCTURAL

TO THAT FOR STIFFENING. THE ANGLES

SHALL BE FASTENED TO THE OPPOSITE

EXTEND ACROSS THE OPENING AND BEAR

UPON THE STRUCTURE OR SLAB ON BOTH

DUCTS IN ACCURDANCE WITH APPLICABLE

SIDES OF THE DUCT AND SHALL

SIDES OF THE OPENING.

CODES.

6. PROVIDE SEISMIC SUPPORT FOR HVAC

BE NOT MORE THAN 4 FT. APART. THE

LINEARLY ALONG THE DUCT.

5. VERTICAL DUCTS SHALL BE SECURELY

BOTTOM AS WELL AS TO THE SIDES OF

SUPPORTED FROM HUNG CEILING.

2. WHEN DUCT AREA EXCEEDS 8SQ. FT.

CIRCUMFERENCE EVERY 4'0".

3. FOR DUCTS OVER 48" WIDE HANGERS

4. FOR DUCTS WITH CROSS SECTIONAL

THE DUCT.

OR SELF ACTING - SEE

SPECIFICATIONS)



New York State

Parks, Recreation and Historic Preservation

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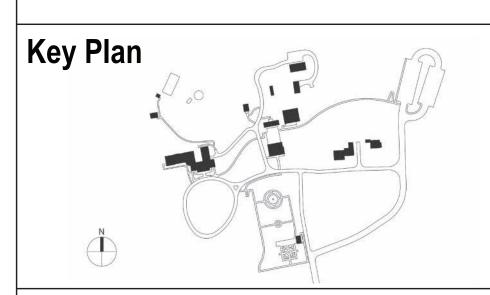
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Regional Director: Linda Cooper Capital District Manager: Garrett Jobson

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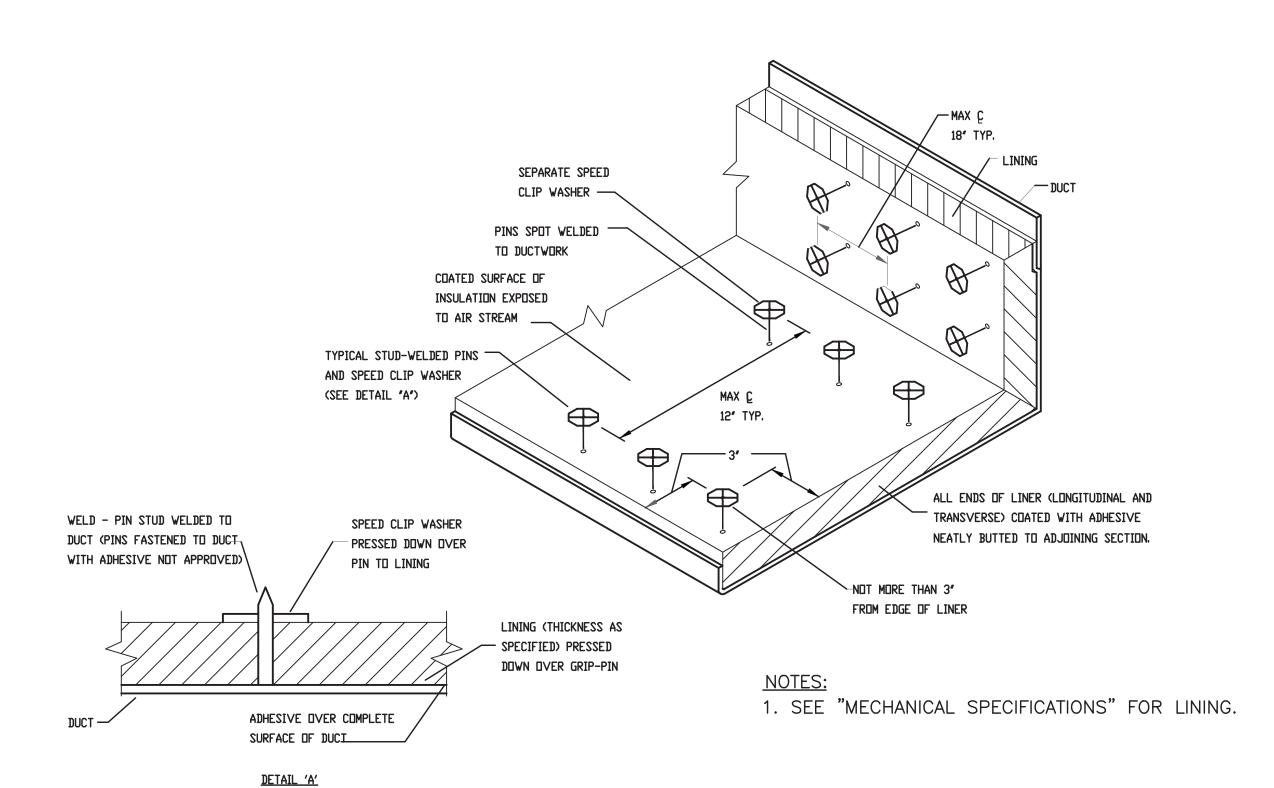
BEDFORD HOUSE MECHANICAL DETAILS

M-201

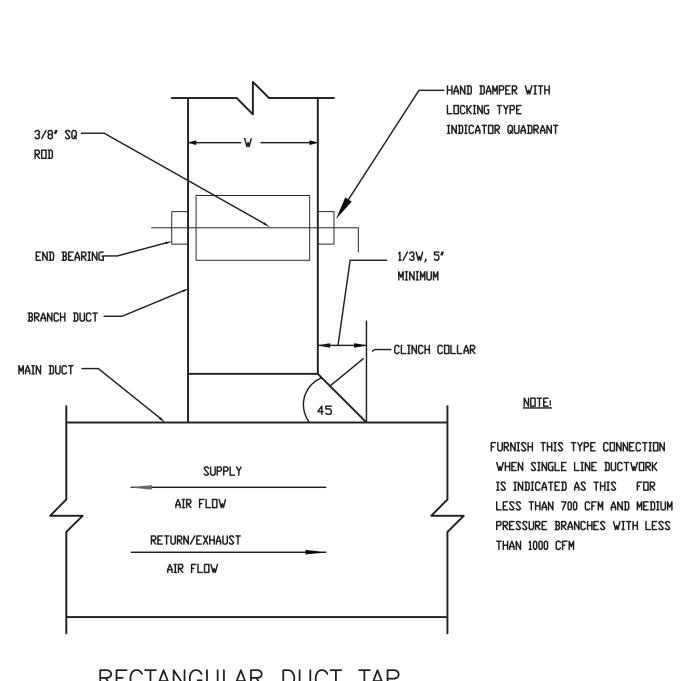
Project Number: TA-JJ-2023-001 Sheet: 255 of 327

- WATER PIPING SIZE PER PLANS THREADED ROD UP TO-STRUCTURE (TYPICAL) SPRING VIBRATION ISOLATOR-(TYPICAL OF 4) — AIR PLENUM RETURN RETURN PLENUM BOX _ _ _ _ _ _ INTERNALLY INSULATED SUPPLY --FILTER SECTION AIR DUCTWORK. 10 LINEAR FEET. 3" HIGH AUXILLARY DRAIN -- CONDENSATE DRAIN PIPING TO FLOOR DRAINS. SIZE PER PLANS. PAN. SOLDER ALL JOINTS FOR WATERTIGHT INSTALLATION. FINISHED CEILING

HORIZONTAL HEAT PUMP AIR HANDLER DETAIL

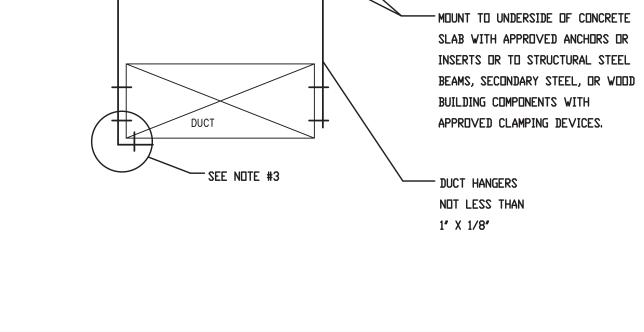


SOUND LINING INSTALLATION DETAIL NO SCALE



RECTANGULAR DUCT TAP
WITH VOLUME DAMPER
NO SCALE

DUCT SUPPORT DETAIL



ANGLE IRON ALL

WIRE MESH GUARD

O.A. LOUVER DETAIL NO SCALE

SIDES

18 GAUGE SHEET METAL

PLENUM TO EXTEND

AIR FLOW

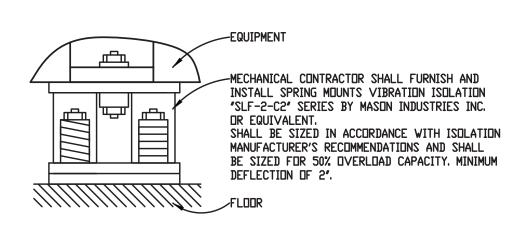
(EXHAUST)

AIR FLOW

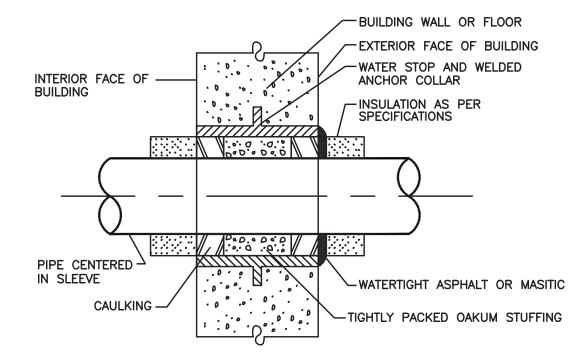
LONGEST DIMENSION	ROUND	MAXIMUM SPACING	STRAP	TRAPEZE SHELF
OF DUCT	HANGERS	SEE NOTE #4	HANGERS	ANGLES
UP TO 18"	8GA. WIRE	8′0 ″	1" X 1/8"	1" X 1" X 1/8"
19" TO 30"	1/4 " ROD	8′0 ″	1" X 1/8"	1" X 1" X 1/8"
31" TO 42"	1/4 " ROD	8′0 ″	1" X 1/8" GA.	1 1/2" X 1 1/2" X 1/8"
43" TO 60"	3/8 " ROD	4′0″		1 1/2"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

SPECIAL HANGERS SHALL BE PROVIDED FOR #10 GAUGE BLACK STEEL DUCTS. (BUILER BREECHING AND KITCHEN EXHAUST.) AND FOR SECTION OF DUCT CONTAINING COILS OR FANS.

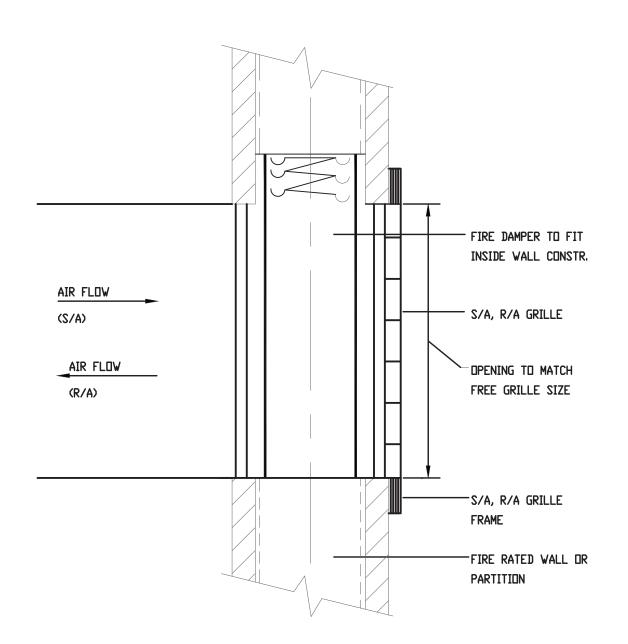
MECHANICAL DETAILS M-201 SCALE: N.T.S.



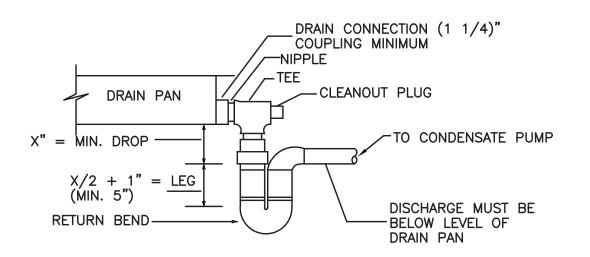
TYPICAL VIBRATION ISOLATOR DETAIL NOT TO SCALE



CAULKED SEAL ASSEMBLY
NO SCALE



DETAIL OF REGISTER / GRILLE WITH FIRE DAMPER

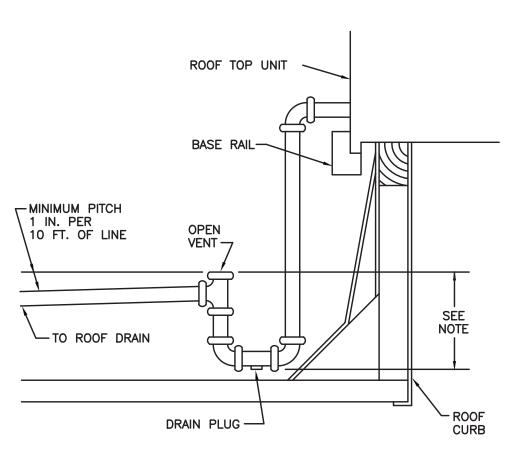


X = NEGATIVE INTERNAL STATIC PRESSURE AT FAN INLET

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

DRAIN PAN WATER SEAL PIPING-DRAW-THRU UNIT NO SCALE



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

EXTERNAL TRAP CONDENSATE DRAIN
NO SCALE



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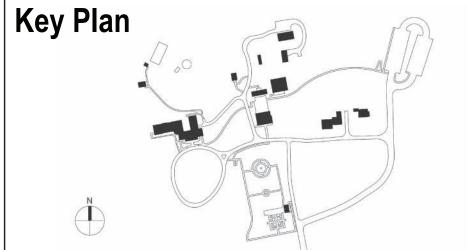
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Regional Director: Linda Cooper Capital District Manager: Garrett Jobson

Project Title:

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Project Location:
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Katonah NY 10536



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Drawing Number

BEDFORD HOUSE MECHANICAL DETAILS

Project Number: TA-JJ-2023-001

Sheet: 256 of 327

MECHANICAL DETAILS

M-202 SCALE: N.T.S.

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

	INDOOR DIVIT SCHEDULE															
	System Tag	GHP-1	GHP-1	GHP-1	GHP-1	GHP-1	GHP-1	GHP-2	GHP-2	GHP-2	GHP-2	GHP-2	GHP-2	GHP-2	GHP-2	GHP-2
	Tag Reference	FC-4	FC-6	FC-9	FSU-1	FC-10	FC-11	FC-1	FC-2	FC-3	FC-5	FC-7	FC-8	FSU-2	WMU-1	FC-12
	Room Name															
)ata	Model	PEFY-P72NMHSU-E	PVFY-P24NAMU-E1	PEFY-P08NMAU-E4	PFFY-P18NRMU-E	PEFY-P27NMHU-E2	PEFY-P48NMHU-E2	PEFY-P18NMHU-E2	PEFY-P24NMHU-E2	PVFY-P24NAMU-E1	PEFY-P72NMHSU-E	PEFY-P36NMHU-E2	PEFY-P48NMHU-E2	PFFY-P12NRMU-E	PKFY-P08NLMU-ER1.TH	PEFY-P08NMAU-E4
inal	Туре	Ceiling-Concealed (Ducted)	Muli-Position Air Handler	Ceiling-Concealed (Ducted)	Floor-Standing Type (Concealed	d) Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)) Muli-Position Air Handler	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Floor-Standing Type (Concealed)) Wall -Mounted	Ceiling-Concealed (Ducted
Nom	Nominal Cooling Capacity (BTU/h)	72,000	24,000	8,000	18,000	27,000	48,000	18,000	24,000	24,000	72,000	36,000	48,000	12,000	8,000	8,000
	Nominal Heating Capacity (BTU/h)	80,000	27,000	9,000	20,000	30,000	54,000	20,000	27,000	27,000	80,000	40,000	54,000	13,500	9,000	9,000
v	Cooling Design Entering Temp DB/WB (°F)	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0
dition	Heating Design Entering Temp DB/WB (°F)	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
Conc	Cooling Diversity Full/Partial (See Note 5, 6)	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
esign	Heating Diversity Full/Partial (See Note 5, 6)	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
	Refrig Pipe Dim Liquid/Suction (inch)	3/8 / 3/4	3/8 / 5/8	1/4 / 1/2	1/4 / 1/2	3/8 / 5/8	3/8 / 5/8	1/4 / 1/2	3/8 / 5/8	3/8 / 5/8	3/8 / 3/4	3/8 / 5/8	3/8 / 5/8	1/4 / 1/2	1/4 / 1/2	1/4 / 1/2
JCe	Cooling Total Capacity (BTU/h)	69,126.6	23,042.2	7,680.7	17,281.7	25,922.5	46,084.4	15,981.3	21,308.4	21,308.4	63,925.1	31,962.6	42,616.8	10,654.2	7,102.8	7,102.8
ormaı Data	Cooling Sensible Capacity (BTU/h)	55,668.1	16,909.4	6,305.8	12,029.9	17,997.2	31,891.9	11,260.0	15,443.8	16,219.6	53,680.7	26,224.2	30,463.2	7,513.7	5,199.5	6,086.5
Perf	Heating Capacity (BTU/h)	62,819.4	21,201.6	7,067.2	15,704.9	23,557.3	42,403.1	15,543.0	20,983.0	20,983.0	62,172.0	31,086.0	41,966.1	10,491.5	6,994.3	6,994.3
WC	Fan Speed Setting	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
ta El	Peak Fan Airflow (cfm)	2154	735	212	459	547	1342	494	671	625	2154	936	1342	318	237	300
/ Wat	Max Fan ESP Setting 208V/230V (IN WG)	1	0.3/0.5/0.8	0.6/0.6		1.0/1.0	1.0/1.0	1.0/1.0	1.0/1.0	0.3/0.5/0.8	1	1.0/1.0	1.0/1.0			0.6/0.6
Fan	Sound Pressure Per Fan Speed 208V/230V (dBA)	36-39-43/36-39-43	30-34-38	24-28-30	38-43/38-43	38-44	40-46	39-45	40-46	30-34-38	36-39-43/36-39-43	40-46	40-46	37-41/37-41	22-27-31-35	24-28-30
rical ta	Voltage / Phase	208/230/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase
Elect Da	Electrical MCA/MFS															
	Condensate Removal Rate (gal/hr)															
es / Opti ons	Applicable System Notes - See Notes Below	7.7/15	3.00/3.00/15	1.75/15	0.48/0.53/15	2.35(208V)/2.13(230V)/	4.16(208V)/3.67(230V)/	1.63(208V)/1.50(230V)/	2.11(208V)/1.83(230V)/	3.00/3.00/15	7.7/15	4.16(208V)/3.67(230V)/	4.16(208V)/3.67(230V)/	0.34/0.38/15	0.24/0.24/15	1.75/15
		1.83	0.82	0.28	0.69	1.04	1.87	0.72	0.90	0.82	1.83	0.99	1.87	0.48	0.38	0.28
		1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6

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

IVII I 3	WATER SOURCE UNIT				
	System Tag	GHP-1	GHP-2		
	Tag Reference	GHP-1	GHP-1		
	M-NET Address	51	57		
)ata	Model Number	PQRY-P192TLMU-A1	PQRY-P240TLMU-A1		
Nominal Data	Modules	P192	P240		
Nom	Nominal Cooling Capacity (BTU/h)	192,000	224,000		
	Nominal Heating Capacity (BTU/h)	215,000	270,000		
Su	Design Inlet Water Temp DB (°F)	50.0	50.0		
Design Conditions	Design HTG Inlet Water Temp WB (°F)	40.0	40.0		
8	Flow Rate Nominal / Actual (gpm) (G(US)/min)	31.7	50.7		
orma Data	Corrected Cooling Total Capacity (BTU/h)	189,138.1	221,962.3		
Performa nce Data	Corrected Heating Capacity (BTU/h)	172,753.4	217,213.3		
g	Voltage / Phase	208/230V / 3-phase 3-wire	208/230V / 3-phase 3-wire		
al Dat	MCA 208/230 208/230 or [460V]	54/49	79/71		
Electrical Data	Recommended Fuse Size (RFS)				
ă	Maximum Fuse Size (MFS)	90/80	125/125		
/ 18					

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

	System Tag	GHP-1	GHP-2
	Tag Reference	BC-1	BC-2
	M-NET Address	52	58
)ata	Model Number	CMB-P108NU-JA2	CMB-P1012NU-JA1
Nominal Data	Type (double / Main / Sub)	Main	Main
Nom	Number of Ports	8	12
	Connected Capacity to BC	197,000.0	250,000.0
Data	Voltage / Phase	208/230V / 1-phase	208/230V / 1-phase
Electrical Data	Power Heating 208V/230V (kW)	0.076/0.098	0.106/0.137
Elect	MCA 208/230	0.83/0.97	1.19/1.39
Notes / Options	Applicable System Notes - See Notes Below	1	1

1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated. 2 For sub BC controller CMB-P-NU-GB1 or -GB, 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 168,000 BTUs.

Applicable System Notes - See Notes Below

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

1, 2 , 3

			GROUN	ID WATER	PUM	P SCHEI	DULE							
						PUMP)					WA	ATER	
MARK	TYPE	DESIGNATION	MFR	MODEL			IMPELLER	WEIGHT	MOTOR	EFF	VOLT/PH/HZ		HEAD	REMARKS
					RPM	MATERIAL	DIA	LBS	HP	%		GPM	(FT.H2O)	
GWP-1A, GWP-1B	SelfSensing Variable Speed Pump	GHP-1, -2	TACO	SFI1506D-A-2P-PD	3500	Iron	5.25	1904	7.5	67.0	208/3/60	110	96	1, 2
REMARKS:														
	1)	Provide Franklin mode	el BAS Variable F	requency Drive. Refe	r to pump de	etail for additiona	al information	•						

1, 2 , 3

2) Provide Taco Suction Diffuser with Strainer.

	CONDENSATE PUMP SCHEDULE													
						PUMP				ELECTRI	CAL	PERFO	RMANCE	
MARK	TYPE	DESIGNATION	MFR	MODEL	RPM	CASING	TANK SIZE GAL	WEIGHT LBS	MOTOR HP	AMPS	VOLT/PH/HZ	GPH	HEAD (FT.H2O)	REMARKS
CP-1	CONDENSATE DRAIN PUMP	FCU'S	Little Giant	VCMA-20ULST	_	-	_	2.5	1/30	ada .	115/1/60	20	16	1
REMARKS	<u> </u>													

1) PROVIDE DRAIN INTO CP-1 (WITH FLAOT SWITCH) AND PUMP DISCHARGE PIPE RECONNECT TO EXISTING DRAIN PIPING

		All	R SEP	ARATOR S	CHEDULE					
							UNIT			
MARK	TYPE	DESIGNATION	MFR	MODEL	OPTIMUM FLOW	DIA	HEIGHT	PIPE SIZE	WEIGHT	REMARKS
					GPM	INCH	INCH	INCH	LBS	
AS-1	Air / Dirt Separator	GW Loop	TACO	4904AD-125	110.0	12.0	25.2	4	90	1
REMARKS:										
	1) PROVIDE UNIT WITH	304 S.S. COALE	SCENCE PALL RINGS a	and CL300 flange connec	tion and sup	port.			

MECHANICAL SCHEDULES BEDFORD HOUSE (GEO-EXCH VRF) M-300 N.T.S.

Qty	Model	Description	Tag
15	PAR-41MAAU	MA remote controller	CTR1-FC-4,CTR2-FC-6,CTR3-FC-9,CTR4-FSU-1,CTR5-FC-10,CTR6-FC-11,CTR1-FC-1,CTR2-FC-2,CTR3-FC-3,CTR4-FC-5,CTR5-FC-7,CTR6-FC-8,CTR7-FSU-2,CTR8-WMU-1,CTR9-FC-12
1	PQRY-P192TLMU-A1	R410A WR2 Series Outdoor Unit	GHP-1
1	PQRY-P240TLMU-A1	R410A WR2 Series Outdoor Unit	GHP-1
1	CMB-P108NU-JA2	BC Controller Main	BC-1
1	CMB-P1012NU-JA1	BC Controller Main	BC-2
2	CMY-R160-J1	Joint Pipe	GHP-1,GHP-1
2	PEFY-P72NMHSU-E	Ceiling-Concealed (Ducted) Indoor Unit	FC-4,FC-5
2	PVFY-P24NAMU-E1	Muli-Position Air Handler Indoor Unit	FC-6,FC-3
2	PEFY-P08NMAU-E4	Ceiling-Concealed (Ducted) Indoor Unit	FC-9,FC-12
1	PFFY-P18NRMU-E	Floor-Standing Type (Concealed) Indoor Unit	FSU-1
1	PEFY-P27NMHU-E2	Ceiling-Concealed (Ducted) Indoor Unit	FC-10
2	PEFY-P48NMHU-E2	Ceiling-Concealed (Ducted) Indoor Unit	FC-11,FC-8
1	PEFY-P18NMHU-E2	Ceiling-Concealed (Ducted) Indoor Unit	FC-1
1	PEFY-P24NMHU-E2	Ceiling-Concealed (Ducted) Indoor Unit	FC-2
1	PEFY-P36NMHU-E2	Ceiling-Concealed (Ducted) Indoor Unit	FC-7
1	PFFY-P12NRMU-E	Floor-Standing Type (Concealed) Indoor Unit	FSU-2
1	PKFY-P08NLMU-ER1.TH	Wall -Mounted Indoor Unit	WMU-1
1	AE-200A	System Remote Controller	CTR1
1	BACNET Master	Software License	
2	FBH4-4	Filter Box	FC-4,FC-5
6	SI30-230	230V Sauermann Condensate Pump	FC-6,FSU-1,FC-3,FSU-2,WMU-1,FC-12
2	FBM2-1-A	Filter Box	FC-9,FC-12
1	FBH2-2	Filter Box	FC-10
3	FBH2-3	Filter Box	FC-11,FC-7,FC-8
20	BV38BBSI	Ball Valve 3/8"	BC-1,BC-2
20	BV58BBSI	Ball Valve 5/8"	BC-1,BC-2
2	CMY-R302S-G1	Reducer	BC-1,BC-2
2	FBH2-1	Filter Box	FC-1,FC-2

	ELECTRIC DUCT HEATER SCHEDULE													
	HEATING ELECTRICAL													
MARK	MFR	MODEL	DUCT SIZE	FLOW	EAT	EAT	CAPACITY	INPUT	AMPS	VOLT/PH/HZ	REMARKS			
			WxHxL	CFM	DEF.F	DEF.F	(BTU/HR)	KW						
EDH-4	INDEECO	QUA	14"x16"x24"	2,154	83	90.2	17,065	5.00		208/3/60	1,2,3			
EDH-5	INDEECO	QUA	18"x12"x24"	2,154	80	90.8	25,598	7.50		208/3/60	1,2,3			
EDH-10	INDEECO	QUA	10"x8"x24"	494	76	94.8	10,239	3.00		208/3/60	1,2,3			
REMARKS:	_			_										

1 PROVIDE WALL THERMOSTAT AND INTEGRAL DISCONNECT SWITCH 2 2-Stage "G" Control 3 TYPE OF HEATERS: Slip in heater

			GLYC	OL FEED	ER SC	HEDULE							
						PUMP			ELE	CTRICAL	W	ATER	
MARK	TYPE	DESIGNATION	MFR	MODEL			Tank	WEIGHT	Amps	VOLT/PH/HZ			REMARKS
					RPM	MATERIAL	GAL	LBS			GPM	@ PSIG	
GT-1	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

			EX	PANSION	TANK	SCHEDULE				
							TANK			
MARK	TYPE	DESIGNATION	MFR	MODEL	VOLUME	MAX. ACCEPT. VAL.	DIA	HEIGHT	CONN. SIZE	REMARKS
					GAL.	GAL	INCH	INCH	INCH	
		CA and CX Series								
ET-1	CA90-125	Expansion Tanks	Taco	CA90-125	23.0	23.0	20.0	32.0	1	
REMARKS:										



Commissioner Pro Tempore Randy Simons Governor Kathy Hochul

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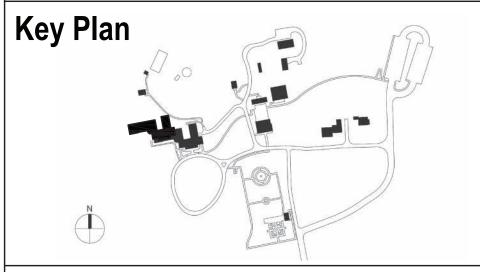
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NYS OPRHP Taconic Region 9 Old Post Rd, PO Box 308 Staatsburg, NY 12580 (845) 889 - 4100

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
7.07 770	2000111211	

Drawn By: Seal and Signature Design By

Drawing Number

BEDFORD HOUSE

LFG

LFG

07/10/24

Sheet Title

M-300 MECHANICAL SCHEDULES

Sheet: 257 of 327

TA-JJ-2023-001

MARK	MODEL	TYPE	INSTALATION	NECK SIZE	FACE SIZE	AIRFLOW	FRAME	FINISH	MATERIAL	ACCES	SORIES	REMARKS
			METHOD	(L" X W" or DIAMETER")	(L" X W")	CFM	TYPE			DAMPER	OTHER	
CD-1	OMNI	SQUARE FACE	CEILING BOAD	Note 1	Note 1	Note 1	1	Note 2, White	STEEL	OBD		INSULATED BLANKET
CD-2	OMNI	SQUARE FACE	CEILING BOAD	Note 4	Note 4	Note 1	1	Note 2, White	STEEL	OBD		INSULATED BLANKET
LSD-1	FL-15 - JT - 1 SLOT	FLOW SUPPLY BAR DIFFUSER	CEILING BOARD	14 x 2.75	14 x 1.5	Note 1	11	Note 2, White	ALUMINUM	COMAD, JTCP	14" Plenum	1 SLOT, TWO END BORDERS
LRD-1	FL-15 - 1 SLOT	FLOW RETURN BAR DIFFUSER	CEILING BOARD	14 x 2.75	14 x 1.5	Note 1	11	Note 2, White	ALUMINUM	PFS	14" Plenum	1 SLOT, TWO END BORDERS
CG-1	350RS	RETURN GRILLE	SIDE WALL SURFACE	Note 1	Note 1	Note 1	Note 2	Note 2, White	STEEL	OBD		
HRG-1	350RS	RETURN GRILLE	SIDE WALL SURFACE	Note 1	Note 1	Note 1	Note 2	Note 2, 3	STEEL			
EG-1	25RL	EXHAUST GRILLE	SIDE WALL SURFACE	Note 1	8 X 8	Note 1	1	Note 2, White	STEEL			
HSR-1	300RL	SUPPLY GRILLE	DUCT SURFACE	Note 1	6 X 4	Note 1	1	Note 2, 3	STEEL	OBD		
FR-1	CT-540	SUPPLY DIFFUSER	FLOOR	Note 1	Note 1	Type 5	Note 2	Note 2, 3	ALUMINUM	OBD		
FR-2	CT-540	SUPPLY DIFFUSER	FLOOR	Note 4	Note 4	Type 5	Note 2	Note 2, 3	ALUMINUM	OBD		
FRG-1	CT-540	RETURN DIFFUSER	FLOOR	Note 1	Note 1	Type 5	Note 2	Note 2, 3	ALUMINUM			
FRG-2	CT-540	RETURN DIFFUSER	FLOOR	Note 4	Note 4	Type 5	Note 2	Note 2, 3	ALUMINUM			

ACCESSORIES: PFS-PLASTER FRAME DMPR- DAMPER DL-DRUM LOUVER EXT-LINDAB AIR EXTRACTOR

MARK SERVICE - DESTINATION

TX-1 TOILET EXH.

NOTES: 1. SEE PLANS

2. SHALL BE SELECT AND APPROVE BY ARCHITECT

ELECTRICAL

136.0

VOLT/PH/HZ WT

115/1/60

(LBS)

REMARKS

Sones

3. COLOR SELECTED BY ARCHITECT 4. VIF DIMMENSIONS AND FEASIBILITY OF REPLACEMENT EXSIT. DIFFUSER

OBD-OPPOSED BLADE DAMPER COMAD - CABLE OPERABLE MANUAL ADJUSTABLE DAMPER

		EL	ECTRIC	HEATI	ER SCHE	EDULE			
					HEATING		ELECTR	ICAL	
MARK		MFR	MODEL	Dim. (In)	CAPACITY	INPUT	AMPS	VOLT/PH/HZ	REMARKS
				IN	(BTU/HR)	W			
EWH-1	Electric Wall Heater	Stelpro	ASOA2002W	15.8x12.5x4	6,826	2,000	8.30	208/1/60	1, 3
EBR-1	Electric Baseboard Radiator	Stelpro	AALUX118098	71x4.6x2	3,071	900		208/1/60	2
EBR-2	Electric Baseboard Radiator	Stelpro	AALUX112068	41x4.6x2	1,365	400		208/1/60	2
EWR-1	Electric Wall Radiator	Runtall	EWP-8-208D	36x23x2.5	3,924	1,150	5.50	208/1/60	1, 4
REMARKS:									
	1	PROVIDE SELI	F-CONTAINED THE	RMOSTAT AND	INTEGRAL DISCO	NNECT SWIT	CH		

	FAN SCHEDULE
4	COLOR SHALL BE SELECT BY ARCHITECT.
3	HEATER SHALL BE INSTALL IN WALL RECESS.
2	PROVIDE WALL MOUNTED THERMOSTAT.

LOREN COOK

1 Provide with factory mounted Disconnect Switch, Speed controller and Backdraft Damper.

LOUVERS S	CHEDULE	(MANU	FACTURE	BY RU	SKIN)
			MIN.		

MARK	MODEL	TYPE	THICKNESS INCH	SIZE L" X H"	FREE AREA SQ.FT.	AIRFLOW CFM	MIN. WATER PENETRA TION FPM	VELOCITY FPM	APD IN.W.C.	REMARKS
L-1	ELF-375DX	OUTSIDE AIR INTAKE	4	10 x 18	0.68	400	875	588	0.055	

MODEL

GN-622

CFM

300

S.P.

(IN W.G.)

0.250

1. PROVIDE WITH BIRD SCREEN AND ETENDED SILL 2. COLOR SHALL BE SELECTED BY ARCHITECT

DEHUMIDIFIER UNIT SCHEDULE

Unit Number			DH-2	DH-4	DH-5	DH-8	DH-9	DH-11
Service Area			FCU-2	FCU-4	FCU-5	FCU-8	FCU-9	FCU-11
Туре			Mechanical Refrigerant					
Install loation			Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Dehumidifier model		TINO	DR-120	DR-120	DR-120	DR-120	DR-120	DR-120
Reactivation heater			Hot Gas Reheat					
Process air	CFM	ER	345	345	345	345	345	345
ESP	in WC	DEHUMIDIFIER	0.2	0.2	0.2	0.2	0.2	0.2
EAT	deg	M	70	70	70	70	70	70
LAT	deg	H	80	80	80	80	80	80
Filter			1" Pleated (1)					
Relative Humidity	%	ICAL	60	60	60	60	60	60
Pints / day		MECHANIC	88	88	88	88	88	88
		10H						
Electrical	V/ph/Hz	Ī	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
MCA	А	well	5.3	5.3	5.3	5.3	5.3	5.3
MOP	A	Honey	15	15	15	15	15	15
Weight	lbs		86	86	86	86	86	86
NOTES:			1, 2	1, 2	1, 2	1, 2	1, 2	1, 2

1 Provide disconect switch 1 Supply and Return ducted connection to FCU Return duct.

2 Provide dedicated electrical outlet.

New York State Parks, Recreation and **Historic Preservation**

Governor Kathy Hochul Commissioner Pro Tempore Randy Simons

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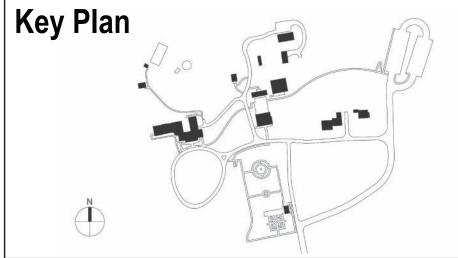
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Rev No	Description	n Date:
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07/10/24 Sheet Title

Drawing Number

BEDFORD HOUSE MECHANICAL SCHEDULES

M-301

Project Number: TA-JJ-2023-001

Sheet: 258 of 327

MECHANICAL SCHEDULES BEDFORD HOUSE (GEO-EXCH VRF)

1 ME0 N.T.S.

TIONIVE Wat	- Jource Heat	Pump (WSHP) INDOO	K OIIII OOI	ILDOLL		Nominal	Nominal	Nominal																
						Cooling	Sensible	Heating		Cooling Cooling	Heating													
						Capacity	Capacity	Capacity	Aux. Electric	Design EAT Design LAT	Design EAT	Flow	WPD (Ft	EWT(C/	LWT (C /	Airflow	ESP (IN			Voltage /	Aux. Electric		Electrical	
Building	Area	Туре	Tag Reference	Model	Туре	(BTU/h)	(BTU/h)	(BTU/h)	Heat	DB/WB (°F) DB/WB (°F)	/ LAT (°F)	(GPM)	Hd)	H)	H)	(cfm)	WG)	EER	COP	Phase	Heat	Weight (Lbs)	MCA/MFS	Notes / Options
Carriage Barn	VISITOR CENTER	WATER TO AIR HEAT PUMP	WTAHP-C-1	DXHG060B	Indoor Horizontal	53,200	47,800	63,700	Electric Coil	80.6 / 66.2 58.5 / 57.5	68 / 99.5	9.8	5.70	86/99	68/57	1,900	0.5	17.6	6	208/230/1	10 kW	434	22.0 / 35	1-4
	ENTRANCE	WATER TO AIR HEAT PUMP	WTAHP-C-2	DXHG036B	Indoor Horizontal	34,800	30,030	39,000	Electric Coil	80.6 / 66.2 57.3 / 56.6	68 / 100	7.4	4.50	86/97	68/59	1,140	0.5	17.3	5.9	208/230/1	5 kW	313	13.0 / 20	1-4

1 VFD

2 VIF Return and Supply Arrangement

3 Provide Electric Aux. Heat 4 Provide with Duct Smoke Detectors.

		AIR DIS	TRIBUTION D	EVICE	SCHEE	DULE (MANU	FACTU	RED B	Y TITUS	5)	
MARK	MODEL	TYPE	INSTALATION	NECK SIZE	FACE SIZE	AIRFLOW	FRAME	FINISH	MATERIAL	ACCE	SSORIES	REMARKS
			METHOD	(L" X W" or	(L" X W")	CFM	TYPE			DAMPER	OTHER	
				DIAMETER")								
CD-1	OMNI	SQUARE FACE	CEILING BOARD	Note 1	Note 1	Note 1	1	Note 2, White	STEEL	OBD		INSULATED BLANKET
CG-1	350RS	RETURN GRILLE	SIDE WALL SURFACE	Note 1	Note 1	Note 1	Note 2	Note 2, White	STEEL	OBD		
TG-1	350RS	TRANSFER GRILLE	CEILING / WALL BOARD	Note 1	Note 1	Note 1	Note 2	Note 2, White	STEEL	OBD		
HRG-1	350RS	RETURN GRILLE	SIDE WALL SURFACE	Note 1	Note 1	Note 1	Note 2	Note 2, 3	STEEL			
EG-1	25RL	EXHAUST GRILLE	SIDE WALL SURFACE	Note 1	8 X 8	Note 1	1	Note 2, White	STEEL			
HSR-1	300RL	SUPPLY GRILLE	SIDE WALL SURFACE	Note 1	Note 1	Note 1	1	Note 2, 3	STEEL	OBD		

ACCESSORIES:

PFS-PLASTER FRAME DMPR- DAMPER

NOTES: 1. SEE PLANS

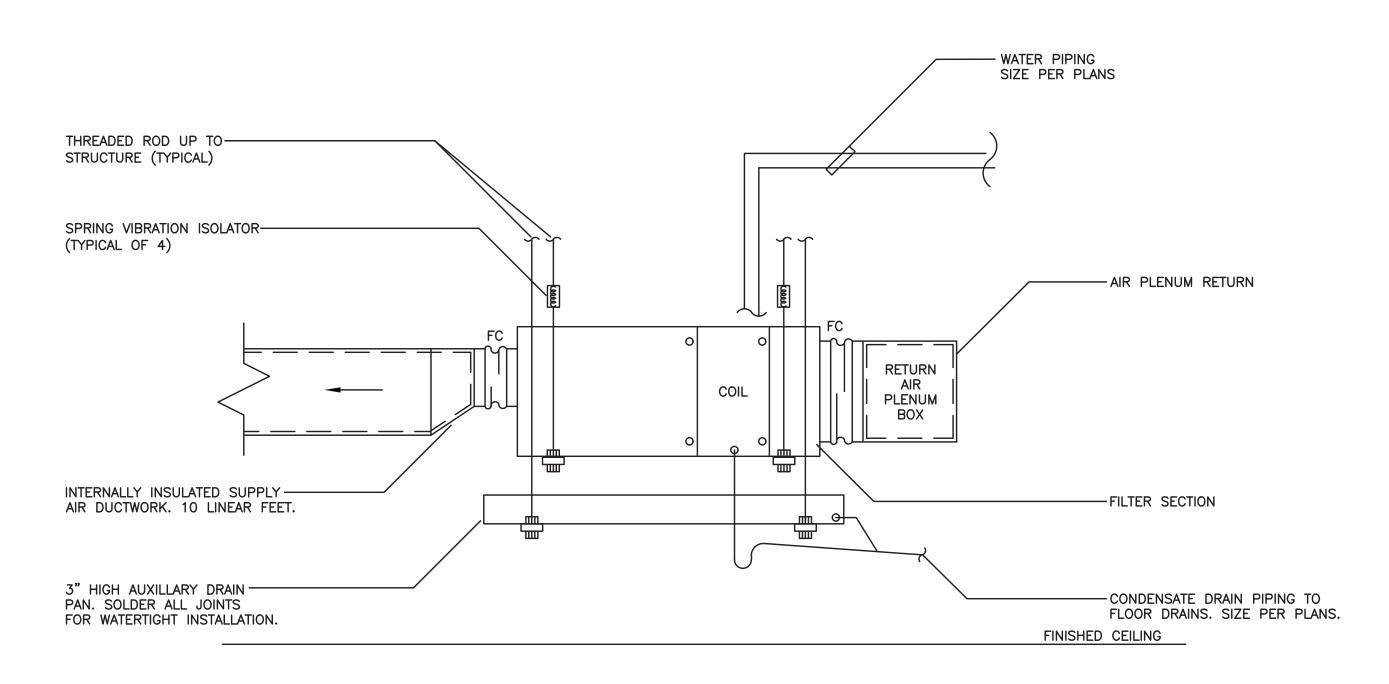
DL-DRUM LOUVER 2. SHALL BE SELECT AND APPROVE BY ARCHITECT

EXT-LINDAB AIR EXTRACTOR 3. COLOR SELECTED BY ARCHITECT 4. VIF DIMMENSIONS AND FEASIBILITY OF REPLACEMENT EXSIT. DIFFUSER

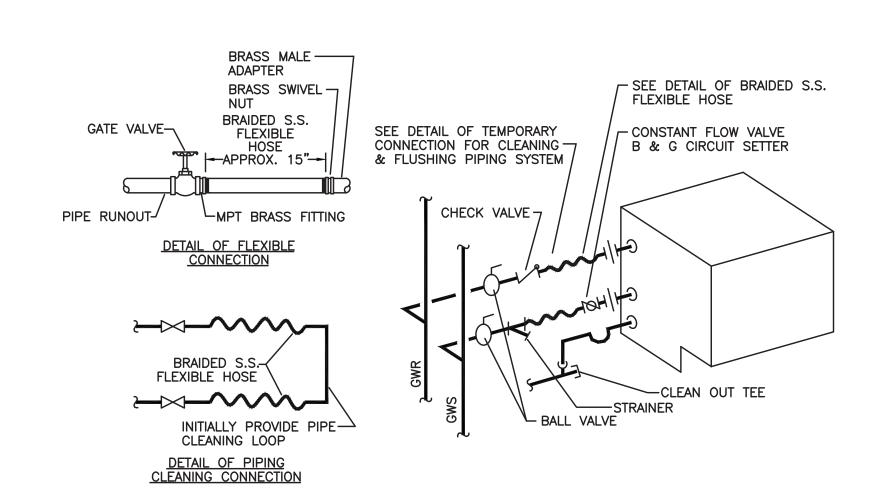
OBD-OPPOSED BLADE DAMPER COMAD - CABLE OPERABLE MANUAL ADJUSTABLE DAMPER

ALTERNATE 1 - MECHANICAL SCHEDULES - CARRIAGE BARN

M-310 N.T.S.



ALTERNATE 1 - HORIZONTAL HEAT PUMP AIR HANDLER DETAIL M-310 N.T.S.



ALTERNATE 1 - TYPICAL HEAT PUMP WATER CONNECTION DETAIL

	FAN SCHEDULE										
							ELECTRICAL		OPER		,
MARK	SERVICE - DESTINATION	MANUFACTURER	MODEL	FAN RPM	CFM	E.S.P.	POWER	VOLT/PH/HZ	WT	Sones	REMARKS
						(IN W.G.)	(HP)		(LBS)		
TX-2	TOILET EXHAUST	GREENHECK	SQ-90	1,550	210	0.585	0.1	115/1/60	50	_	1
REMARK	Ş.										

1 Provide with factory mounted Disconnect Switch, Speed controller and Backdraft Damper.

1. PROVIDE WITH BIRD SCREEN AND ETENDED SILL.

2. COLOR BY ARCHITECT.

			THICKNESS INCH	SIZE W" x H"	FREE AREA SQ.FT.	AIRFLOW CFM	VELOCITY FPM	APD IN.W.C.	NOTES
MARK	MODEL	TYPE							
L-2	ELF-837	EXH. LOUVER	4	12 x 12	0.34	210	618	0.06	1, 2

ELECTRIC HEATER SCHEDULE									
					HEATING	ELECTRICAL			
MARK		MFR	MODEL	Dim. (In)	CAPACITY	INPUT	AMPS	VOLT/PH/HZ	REMARKS
				IN	(BTU/HR)	w			
EBR-3	Electric Baseboard Radiator	Stelpro	AALUX109047	35.3x4.6x2	1,024	300		208/1/60	1
REMARKS:									
	1	PROVIDE WA	LL MOUNTED THEF	RMOSTAT.					

BASE BID - MECHANICAL SCHEDULES - CARRIAGE BARN

M-310 N.T.S.



Commissioner Pro Tempore Randy Simons Governor Kathy Hochul

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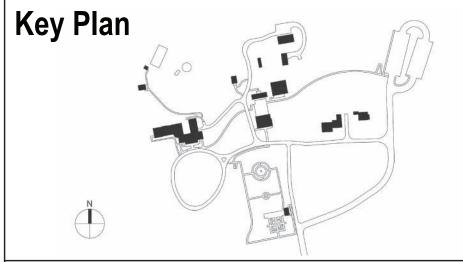
NYS OPRHP Taconic Region 9 Old Post Rd, PO Box 308

(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



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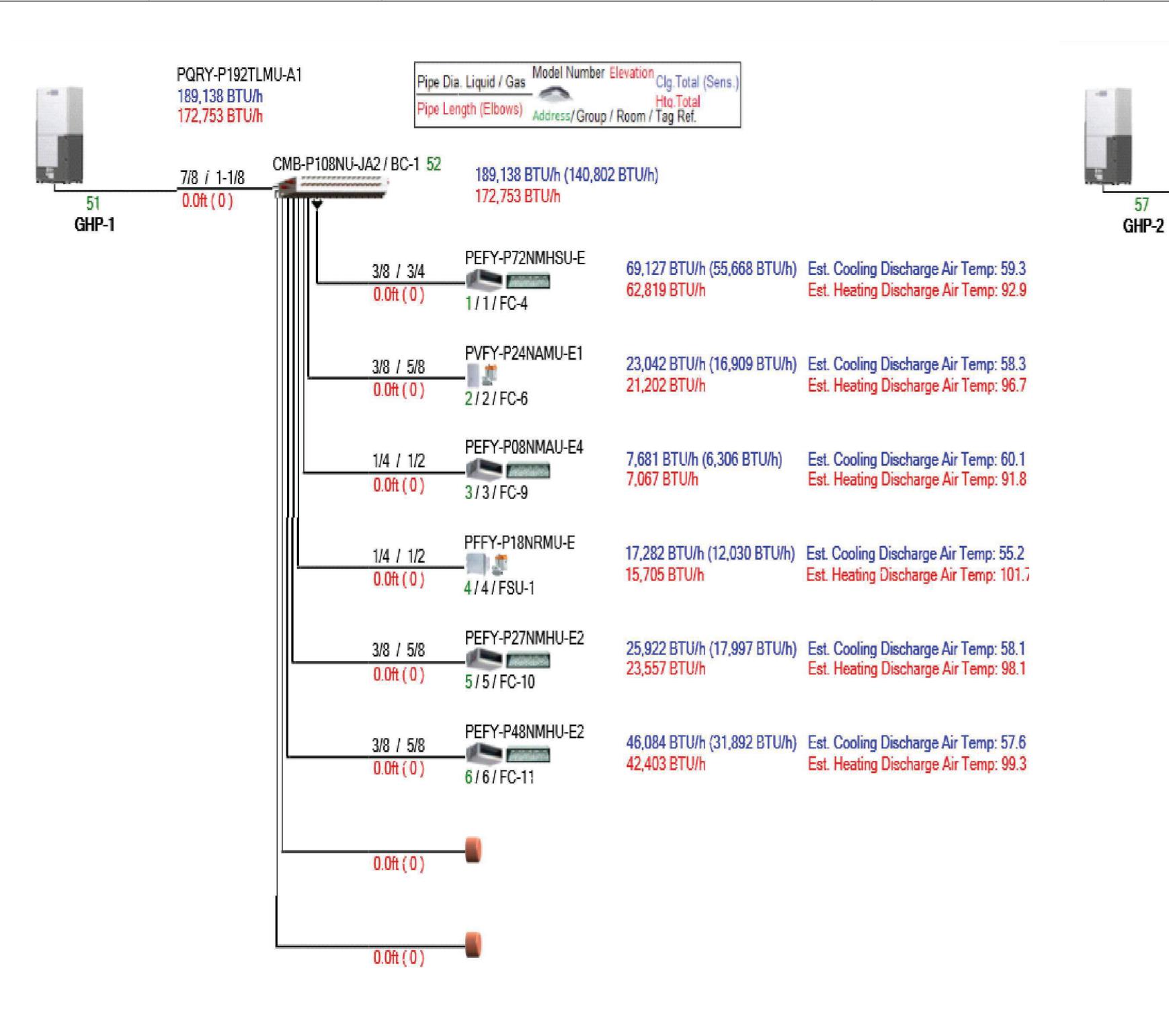
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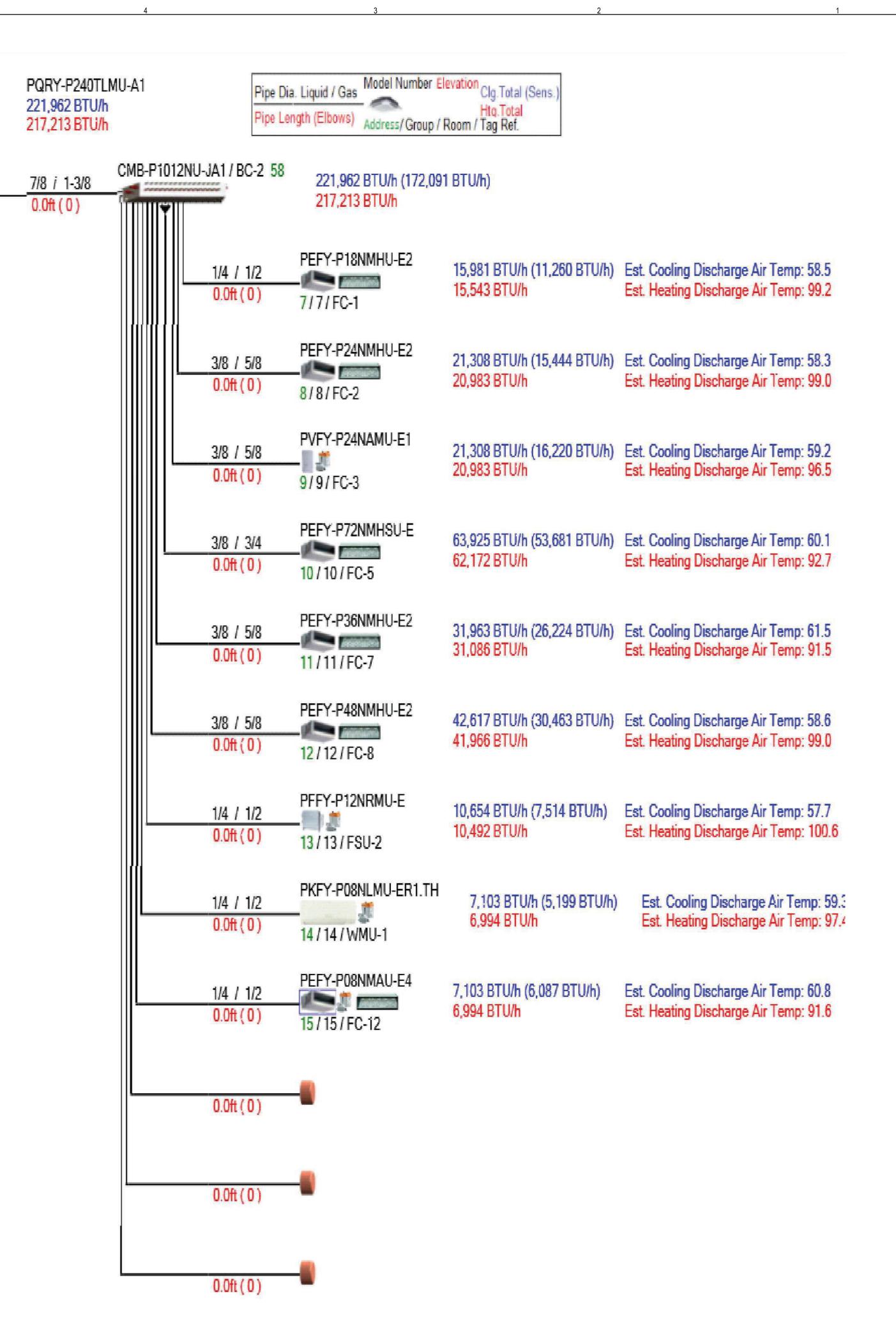
* CARRIAGE BARN MECHANICAL SCHEDULES & DETAILS

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TA-JJ-2023-001

Sheet: 259 of 327





SCHEMATIC PIPING DIAGRAM M-400 N.T.S.

New York State Parks, Recreation and Historic Preservation

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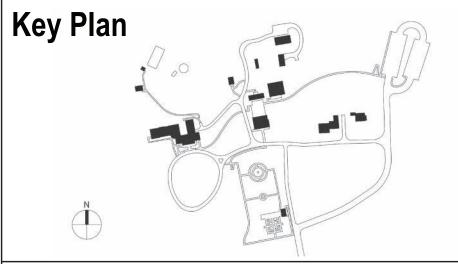
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Capital District Manager: Garrett Jobson

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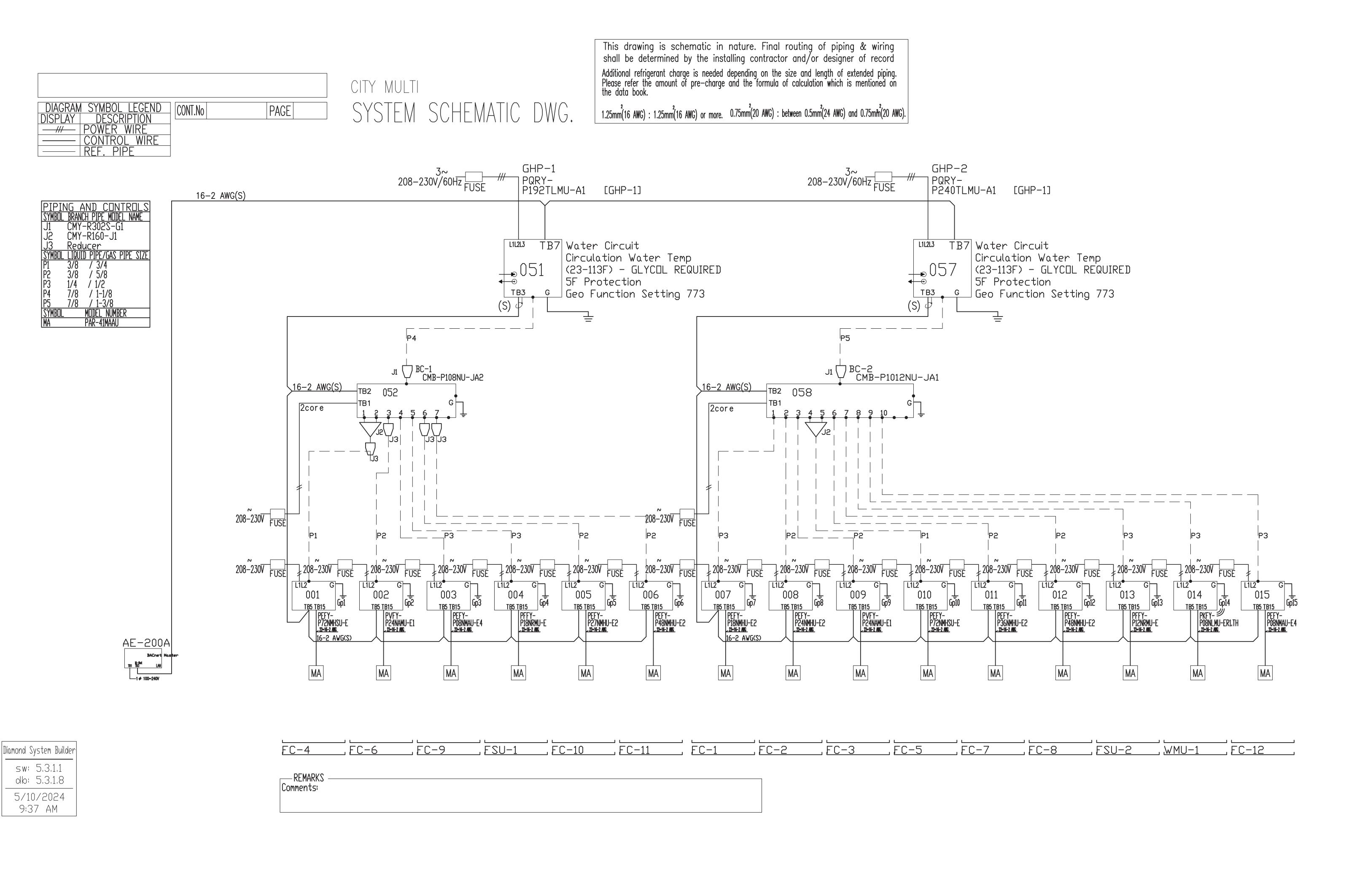
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BEDFORD HOUSE **MECHANICAL** DIAGRAMS

M-400

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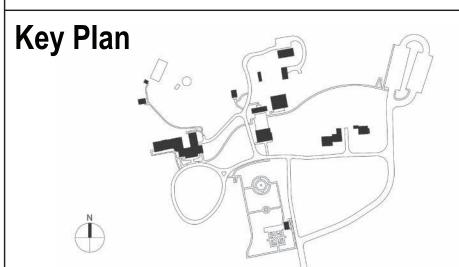
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BEDFORD HOUSE **MECHANICAL DIAGRAMS**

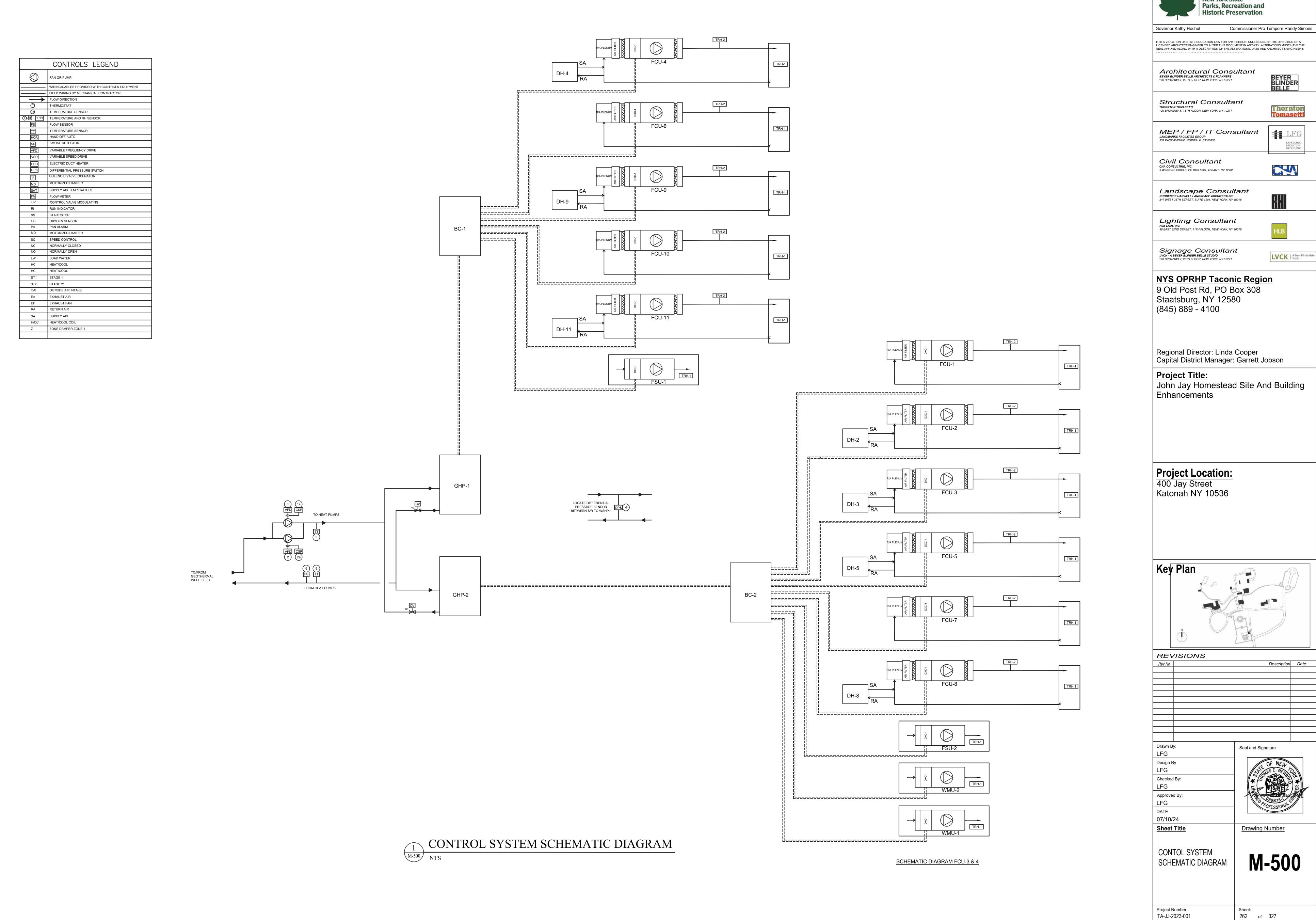
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SCHEMATIC WIRING DIAGRAM M-401 N.T.S.



New York State

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