ABB	BREVIATIONS	FPI	FINS PER INCH
Α	AMPERES	FPM	FEET PER MINUTE
AV	AUTOMATIC AIR VENT		FEET PER SECOND
AC	AIR CONDITIONING	FS	FLOW SWITCH
ACCU	AIR COOLED CONDENSING UNIT	FT	FEET
AD	ACCESS DOOR	FTR	FINNED TUBE RADIATION
AFF	ABOVE FINISHED FLOOR] G	GAUGE
AHU	AIR HANDLING UNIT	GAL	GALLON
AL	ACOUSTICAL LINING	HC	HEATING COIL
AP	ACCESS PANEL	HD	HEAD
BDD	BACK DRAFT DAMPER	HR	HOUR
BHP	BRAKE HORSEPOWER	нт	HEIGHT
BMS	BUILDING MANAGEMENT SYSTEM	HV	HEATING AND VENTILATING
BTU	BRITISH THERMAL UNIT	HWR	HOT WATER RETURN
	BTUH PER HOUR	HWS	HOT WATER SUPPLY
	COUNTER CLOCKWISE	HZ	FREQUENCY
	CEILING DIFFUSER	IN	INCH OR INCHES
	CUBIC FEET PER MINUTE	⊢ KW	KILOWATT
	CEILING GRILLE	-	LENGTH
	CHILLED WATER RETURN	 -	LEAVING AIR TEMPERATURE
		LBS	POUNDS
	CHILLED WATER SUPPLY	LBD	LEAVING DRY BULB TEMPERATURE
	CEILING		LINEAR FEET
	CONDENSATE	LPS	LOW PRESSURE SUPPLY
	CONDENSATE PUMP		LOW PRESSURE RETURN
	CEILING REGISTER		LOCKED ROTOR AMPS
	CU FT		
CU IN	CU IN	」	LEAVING WET BULB TEMPERATURE
CWR	CONDENSER WATER RETURN	LWT	LEAVING WATER TEMPERATURE
CWS	CONDENSER WATER SUPPLY		MANUAL AIR VENT
DWG	DRAWING		MAXIMUM
COND	CONDENSATE		THOUSAND BTUH PER HOUR
CV	CONSTANT VOLUME		MECHANICAL EQUIPMENT ROOM
CW	CLOCKWISE	MHP	MOTOR HORSEPOWER
D	DROP	MIN	MINIMUM
DB	DRY BULB	NO.	NUMBER
DX	DIRECT EXPANSION	NTS	NOT TO SCALE
DHW	DOMESTIC HOT WATER	OA	OUTSIDE AIR
DIAM	DIAMETER	OAI	OUTSIDE AIR INTAKE
DN	DOWN	OED	OPEN ENDED DUCT
DR	DRAIN	PD	PRESSURE DROP
	EXISTING TO REMAIN	PRV	PRESSURE REDUCING VALVE
	ENTERING AIR TEMPERATURE	PSI	POUNDS PER SQUARE INCH
	ENTERING DRY BULB TEMPERATURE	PSIA	PSI ABSOLUTE
	EXHAUST FAN	PSIG	PSI GAUGE
	EXHAUST GRILLE	R	RISE
		RA	RETURN AIR
	ELEVATION		RETURN GRILLE
	ELECTRIC		RUNNING LOAD AMPS
	EQUAL	RM	ROOM
, ,	EXISTING TO BE REMOVED	l	ROTATION
. ,	EXISTING TO REMOVED AND RELOCATED		REVOLUTIONS PER MINUTE
	ENTERING WET BULB		EXISTING TO BE REMOVED AND RETURNED
	ENTERING WATER TEMPERATURE	(RRO)	TO OWNER
EXH	EXHAUST	SA	SUPPLY AIR
EXP	EXPANSION	SP	STATIC PRESSURE
EXIST	EXISTING	SPEC	SPECIFICATION
°F	DEGREES FAHRENHEIT	TEMP	TEMPERATURE
FA	FREE AREA (SQ.FT.)	TR	TOP REGISTER
FC	FLEXIBLE CONNECTION	TRD	TRANSFER DUCT
FD	FIRE DAMPER	TYP	TYPICAL
FLA	FULL LOAD AMPERES	TX	TOILET EXHAUST
I LA		1	VOLTS
	FUEL OIL		VOLIS
FO	FUEL OIL FUEL OIL RETURN	VA VA	VENTILATION AIR

FOS FUEL OIL SUPPLY	WMS WIRE MESH SCREEN					
MECHANICAL DRAWING LIST	MECHANICAL DRAWING LIST					
MO01.00 MECHANICAL NOTES, ABBREVIATIONS AN	ND SYMBOLS LIST					
M101.00 MECHANICAL LOWER LEVEL DEMOLITION	FLOOR PLAN					
M102.00 MECHANICAL UPPER LEVEL DEMOLITION						
M103.00 MECHANICAL GARAGE LEVEL DEMOLITION						
M104.00 MECHANICAL GARAGE LEVEL DEMOLITION	N FLOOR PLAN (REACT)					
M105.00 MECHANICAL MEZZANINE DEMOLITION FL	LOOR PLAN					
M106.00 MECHANICAL ROOF LEVEL DEMOLITION I	PLAN					
M111.00 MECHANICAL LOWER LEVEL CONSTRUCT	TON FLOOR PLAN					
M112.00 MECHANICAL UPPER LEVEL CONSTRUCT						
M113.00 MECHANICAL GARAGE LEVEL CONSTRUC						
M114.00 MECHANICAL GARAGE LEVEL CONSTRUC	,					
M115.00 MECHANICAL MEZZANINE LEVEL CONSTR						
M116.00 MECHANICAL ROOF LEVEL CONSTRUCTION						
M117.00 MECHANICAL LOWER LEVEL PIPING FLOO						
M118.00 MECHANICAL UPPER LEVEL PIPING FLOO						
M119.00 MECHANICAL GARAGE LEVEL PIPING FLO						
M120.00 MECHANICAL MEZZANINE LEVEL PIPING						
M121.00 MECHANICAL ROOF LEVEL PIPING FLOOR						
M200.00 MECHANICAL BOILER EXHAUST AND PIP	PING RISER DIAGRAM					
M500.00 MECHANICAL SCHEDULES I						
M501.00 MECHANICAL SCHEDULES II						
M600.00 MECHANICAL DETAILS I						
M601.00 MECHANICAL DETAILS II						
M602.00 MECHANICAL DETAILS III						
M603.00 MECHANICAL DETAILS IV						

	SINGLE LINE DUCTWORK OR EQUIPMENT — NEW
	SINGLE LINE DUCTWORK OR EQUIPMENT - EXISTING
— X- — X —	DUCTWORK OR EQUIPMENT TO BE REMOVED
{}	DUCTWORK WITH ACOUSTICAL LINING
<u></u>	BOOTHORK WITH ACCOUNTS EINING
	DUCTWORK UNDER POSITIVE PRESSURE (SUPPLY AIR OR FA
	DISCHARGE)
	DUCT UNDER NEGATIVE PRESSURE (RETURN,EXHAUST, OR OUTSIDE AIR)
VD	VOLUME DAMPER
————FDFD&AD ———————————————————————————————————	FIRE DAMPER AND ACCESS DOOR BACK DRAFT DAMPER
M	MOTORIZED DAMPER
FSDFSD&AD	COMBINATION SMOKE AND FIRE DAMPER (ELECTRIC) AND ACCESS DOOR
MSMK.D&AD	SMOKE DAMPER
	RISE IN DUCTWORK (IN DIRECTION OF AIR FLOW)
	DROP IN DUCTWORK (IN DIRECTION OF AIR FLOW) CENTER LINE
 ∳	CUBIC FEET PER MINUTE
Ф	DIAMETER
ф	SQUARE FEET
1.0 ∯ F.A.	LOUVER IN DOOR - MIN. 1.0 SF FREE AREA
UC →	UNDERCUT DOOR
	POINT OF CONNECTION
	POINT OF DISCONNECTION
$\sum \frac{CD-A}{400}$	TYPE A CEILING DIFFUSER (400 CFM SUPPLY AIR)
12×12 CD (400)	RECTANGULAR CEILING DIFFUSER WITH 12"X12" NECK 400 CFM SUPPLY AIR
10x8 CR(CG)	10"X8" CEILING REGISTER (CEILING GRILLE) 300 CFM
(300) CD-B	RETURN AIR
<u>CD−B</u> (400) ►	TYPE B ROUND DIFFUSER 400 CFM SUPPLY AIR
	RECTANGULAR DIFFUSER WITH BLANKING PLATE
10x6 TR	10" BY 6" TOP REGISTER, 150 CFM SUPPLY AIR
(150)	TO BE O TOP REGISTER, 150 CFM SUPPLE AIR
10×6 TR(TG) (150)	10" BY 6" TOP REGISTER (TOP GRILLE) 150 CFM RETURN AIR
10x6 BR(BG) (150)	10" BY 6" BOTTOM REGISTER (BOTTOM GRILLE) 150 CFM RETURN AIR
	VANED ELBOW
,	VANED ELBOW (SEE DETAIL) OR RADIUS ELBOW
	RADIUS ELBOW
~~~~~	FLEXIBLE DUCT
	SLOTTED LINEAR DIFFUSER WITH PLENUM
<u> </u>	SEE DUCT DETAILS FOR TYPE OF BRANCH CONNECTION
	DUCT FLEXIBLE CONNECTION
×(	VERTICAL DUCT DROP (IN DIRECTION OF AIRFLOW)
CV-A 400.€	CONSTANT VOLUME BOX - TYPE A - 400 CFM
VAV-A 300/150	VAV BOX TYPE A - 300 CFM MAX - 150 CFM MIN
	CENTRIFUGAL FAN
BG	BREAK GLASS SWITCH
OAS	OUTSIDE AIR SENSOR
H	HUMIDISTAT

	T
<u> </u>	DUCT SMOKE DETECTOR
	SECTION DESIGNATION
	SHEET NO. WHERE SECTION IS SHOWN
	NEW PIPE WITH DIRECTION OF FLOW
	EXISTING PIPING
— X X X — X — — — — — — — — — — — — — —	PIPING TO BE REMOVED  PIPING TO BE ABANDONED
	HEAT TRACING ON PIPE
	FLEXIBLE HOSE
	PIPE IN UNDERGROUND CONDUIT
	PIPE DROP PIPE RISE
<i>-</i>	
	PITCH UP IN DIRECTION OF FLOW
<del></del>	PITCH DOWN IN DIRECTION OF FLOW
	UNION
	CONCENTRIC REDUCER  ECCENTRIC REDUCER – FLAT BOTTOM
	ECCENTRIC REDUCER - FLAT TOP
	FLANGED CONNECTION
	FLANGED END - BLIND FLANGE
<u> </u>	DEAD END - SCREWED CAP
	DEAD END — WELDED CAP
	EXPANSION LOOP
<del></del>	PIPE EXPANSION JOINT
	PIPE ALIGNMENT GUIDE PIPE ANCHOR
	GATE VALVE
	NEEDLE VALVE COCK
	NEEDLE VALVE COCK
	DRAIN VALVE
	CHECK VALVE, SWING OR LIFT
<del></del>	FLEXIBLE CONNECTOR
	BALL VALVE
	BALANCING VALVE
- 5	PLUG VALVE (TYPE AS NOTED)
	PLOG VALVE (TIPE AS NOTED)
s	SAFETY VALVE
T	
	PRESSURE REDUCING VALVE
	AUTOMATIC CONTROL VALVE
<del></del>	
	THREE-WAY-AUTOMATIC CONTROL VALVE
	QUICK CLOSING VALVE WITH FUSIBLE LINK
	Total action of the control of the c
	SOLENOID VALVE
M	ELECTRIC MOTORIZED VALVE OPERATOR
***	"Y" TYPE STRAINER WITH BLOWOFF VALVE AND CAP
	DUDIEV DACKET CEDANED AUTOMATIC AID VENT
	DUPLEX BASKET STRAINER AUTOMATIC AIR VENT
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
T	MANUAL AIN YEINI
<u> </u>	REFRIGERANT SIGHT GLASS
	   VIBRATION ISOLATOR IN HANGER
<b>以</b>	
	THERMOMETER WELL
	THERMOMETER AND WELL
	THERMONETER AND WELL
$\bigcirc$	PRESSURE GAUGE WITH SYPHON
<u> </u>	PRESSURE GAUGE WITH STPHON
	PUMP
FM FM	FLOW METER
A	AQUASTAT
FS	
	FLOW SWITCH
TS	TEMPERATURE SWITCH
• T	

STOP CHECK VALVE

#### GENERAL NOTES

- 1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL
- 2. DRAWINGS ARE DIAGRAMMATIC. DETERMINE EXACT LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD. RELOCATE EXISTING WORK THAT INTERFERES WITH WORK OF THIS CONTRACT.
- COORDINATE THIS WORK WITH THAT OF OTHER TRADES. 4. DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE
- VERTICAL EXCEPT IN WAY OF STRUCTURAL STEEL, DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE. NEITHER ACCURACY NOR COMPLETENESS OF SERVICES AND UTILITY LOCATIONS SHOWN ON
- DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING SERVICES AND UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
- PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURER'S REQUIREMENTS.
- PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES SERVICE OR MAINTENANCE. PROVIDE HANGERS, ANCHORS, INSERTS, SUPPLEMENTAL STEEL, AND SUPPORTS AS REQUIRED
- TO SUPPORT DUCTWORK, PIPING, AND EQUIPMENT FROM STRUCTURE. 9. RUN DUCTS AND PIPING CONCEALED WITHIN WALLS, CEILINGS, OR SOFFITS, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS. COORDINATE ROUTING WITH
- ARCHITECT AND CONSTRUCTION METHODS. 10. INSTALL THERMOSTATS 4'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE DIRECTED BY
- ARCHITECT. 11. SPECIFICATIONS ARE PART OF THESE DOCUMENTS AND SCOPE OF WORK.
- 12. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR
- 13. PROVIDE 36" CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL PANELS PER N.E.C. AND MFG. REQUIREMENTS.

#### DEMOLITION NOTES

- 1. THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF HVAC WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY
- THE OWNER/ENGINEER. 2. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE TO FUNCTIONING HVAC SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE
- RECONNECTED AND RESTORED. 3. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH. REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
- 4. THE CONTRACTOR SHALL REMOVE ALL DUCT AND PIPING SUPPORTS, ETC. FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS
- CONNECTIONS AS NECESSARY. 5. ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED
- AND REROUTED CONCEALED BEHIND FINISHED SURFACES. PORTIONS OF PIPING AND DUCTWORK TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT
- CONVENIENT LOCATIONS, REROUTED AND RECONNECTED. 7. THE CONTRACTOR SHALL NOTIFY THE OWNER, AT THE APPROPRIATE TIME, OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT
- REQUIREMENTS. 8. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE HVAC CONTRACTOR, AS DIRECTED BY THE OWNER.
- 9. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVERTIME IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
- 10. THE SHUTDOWN OF EXISTING BUILDING HVAC SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.
- 11. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS REGARDING DISPOSAL OR REFRIGERANTS.
- 12. CONTRACTOR TO REMOVE REFRIGERANT FROM UNITS AND DISPOSE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

#### INSPECTIONS AND TESTING OF MECHANICAL **SYSTEMS**

RELATED TO INSPECTIONS.

- 1. THE FOLLOWING INSPECTIONS, TESTS, PROGRESS INSPECTIONS AND SPECIAL INSPECTIONS
- SHALL BE CONSIDERED PART OF THE CONTRACT WORK. 2. UPON COMPLETION OR PARTIAL COMPLETION OF THE PERMITTED MECHANICAL WORK, INSPECTIONS, PROGRESS INSPECTIONS, SPECIAL INSPECTIONS AND TESTS SHALL BE CONDUCTED BY APPROVED AGENCIES OR SPECIAL INSPECTORS QUALIFIED TO CONDUCT SUCH INSPECTIONS AND TESTS. INSPECTIONS AND PROGRESS INSPECTIONS SHALL BE PERFORMED IN COMPLIANCE WITH SECTION BC 109 OF THE NEW YORK STATE BUILDING CODE. SPECIAL INSPECTIONS SHALL BE PERFORMED IN COMPLIANCE WITH SECTIONS BC 1704 AND BC 1707 OF THE NEW YORK STATE BUILDING CODE, REFER TO ARTICLE 116 OF CHAPTER 1 OF TITLE 28 OF THE ADMINISTRATIVE CODE FOR ADDITIONAL PROVISIONS
- 3. CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTION AGENCY (SIA) 1 WEEK IN ADVANCE OF PROPOSED INSTALLATIONS AND/OR CONCEALMENT OF INSTALLATIONS THAT REQUIRE VISUAL OR INTRUSIVE/DESTRUCTIVE TESTING, SUCH AS FIRESTOPPING. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUFFICIENT OPENINGS FOR THE SIA TO PERFORM THEIR REQUIRED VISUAL AND PHYSICAL INSPECTION AT NO ADDITIONAL COST, INCLUDING OPENING AND REPAIRING COMPLETED MILLWORK OR GENERAL CONSTRUCTION FINISHES CONCEALING INSTALLATIONS TO BE INSPECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR
- REPAIR/RESTORATION OF INSTALLATIONS THAT REQUIRE DESTRUCTIVE TESTING. 4. SPECIAL INSPECTIONS OF MECHANICAL SYSTEMS SHALL INCLUDE THE FOLLOWING AS APPLICABLE TO THE SYSTEM:
- A. VISUAL CERTIFICATION THAT REQUIRED COMPONENTS OF SUCH SYSTEMS ARE COMPLETE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES AND
- THE APPROVED CONSTRUCTION DOCUMENTS. B. SUPPORTS, HANGERS, SEISMIC BRACING, AND VIBRATION ISOLATION EQUIPMENT ARE
- PROPERLY SPACED AND ANCHORED TO SUPPORTING STRUCTURE. INSTALLATION OF REQUIRED SIGNAGE AND SAFETY INSTRUCTIONS.
- ELECTRICAL COMPONENTS ARE INSTALLED AND ELECTRICAL SIGN- OFF ISSUED.
- E. VENTILATION BALANCING REPORT IS COMPLETE AND IN ACCORDANCE WITH DESIGN DOCUMENTS, AND THE SYSTEM IS OPERATING AS DESIGNED.
- F. REQUIRED LABELING, OPERATIONAL INSTRUCTIONS AND SAFETY SIGNAGE PROPERLY
- G. ALL RELATED SPECIAL INSPECTIONS FOR SUCH SYSTEMS ARE COMPLETE. 6. THE FOLLOWING IS A LIST OF ALL REQUIRED SPECIAL INSPECTIONS:
  - CODE/SECTION BC 1705.21 SPECIAL INSPECTION ITEM
- FIRE RESISTANT PENETRATIONS AND JOINTS 7. THE FOLLOWING IS A LIST OF ALL REQUIRED PROGRESS INSPECTIONS:
  - PROGRESS INSPECTION ITEM ENERGY CODE COMPLIANCE INSPECTIONS BC 110.3.5
- 8. THE FOLLOWING IS A LIST OF ALL REQUIRED ENERGY INSPECTIONS:

MECHANICAL SYSTEMS

PROGRESS INSPECTION ITEM	TR8 IDENTIFIE
HVAC, SERVICE WATER HEATING AND POOL	IIB3
EQUIPMENT SIZING AND PERFORMANCE	
HVAC SYSTEM CONTROLS AND ECONOMIZERS	IIB4
AND SERVICE HOT WATER SYSTEM CONTROLS	
HVAC INSULATION AND SEALING	IIB5
ELECTRIC MOTORS	IIC7
MAINTENANCE INFORMATION	IID1



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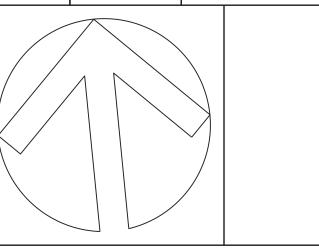


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ISSUE NO.5	09/03/2024	ISSUED FOR BID
ISSUE NO.4	07/10/2024	UPDATED 100% CONSTRUCTION DOCUMENT SUBMISSION
ISSUE NO.3	06/06/2024	100% CD SUBMISSION
ISSUE NO.2	03/29/2024	90% CD SUBMISSION
ISSUE NO.1	12/14/2023	60% SUBMISSION
ISSUE NO.	ISSUE DATE	DESCRIPTION



### **CAPITAL PROJECT #1521** SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL NOTES, ABBREVIATIONS AND SYMBOLS LIST

PROJECT NO.:

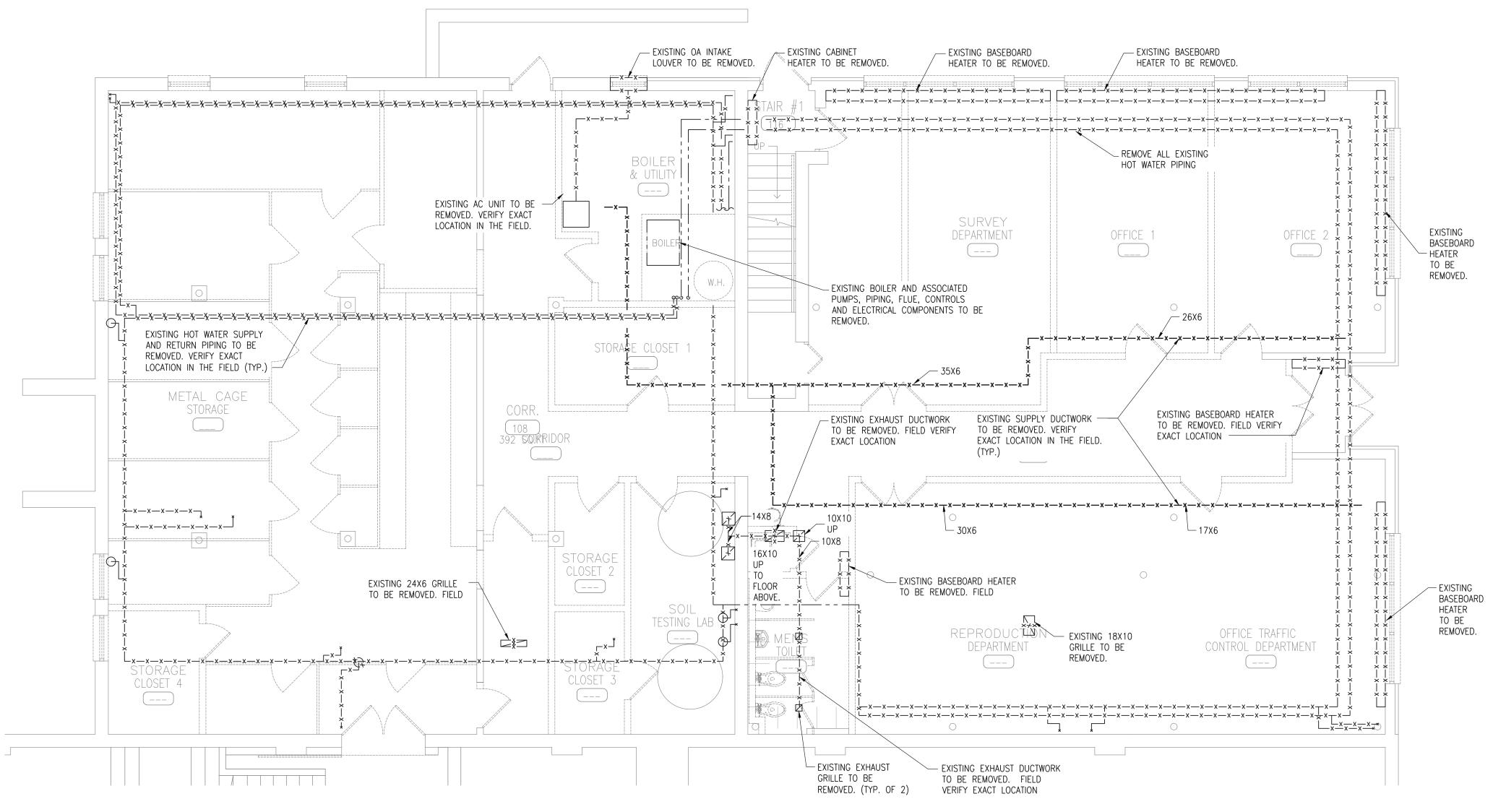
DRAWING NO.:

25097 | SCALE:

M001.00

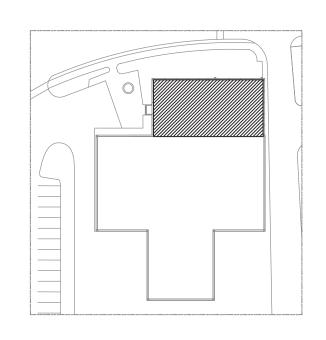
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AS NOTED



LOWER LEVEL DEMOLITION FLOOR PLAN

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







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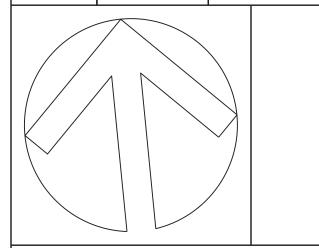
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# CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL LOWER LEVEL DEMOLITION FLOOR PLAN

PROJECT NO.:

25097 SCALE:

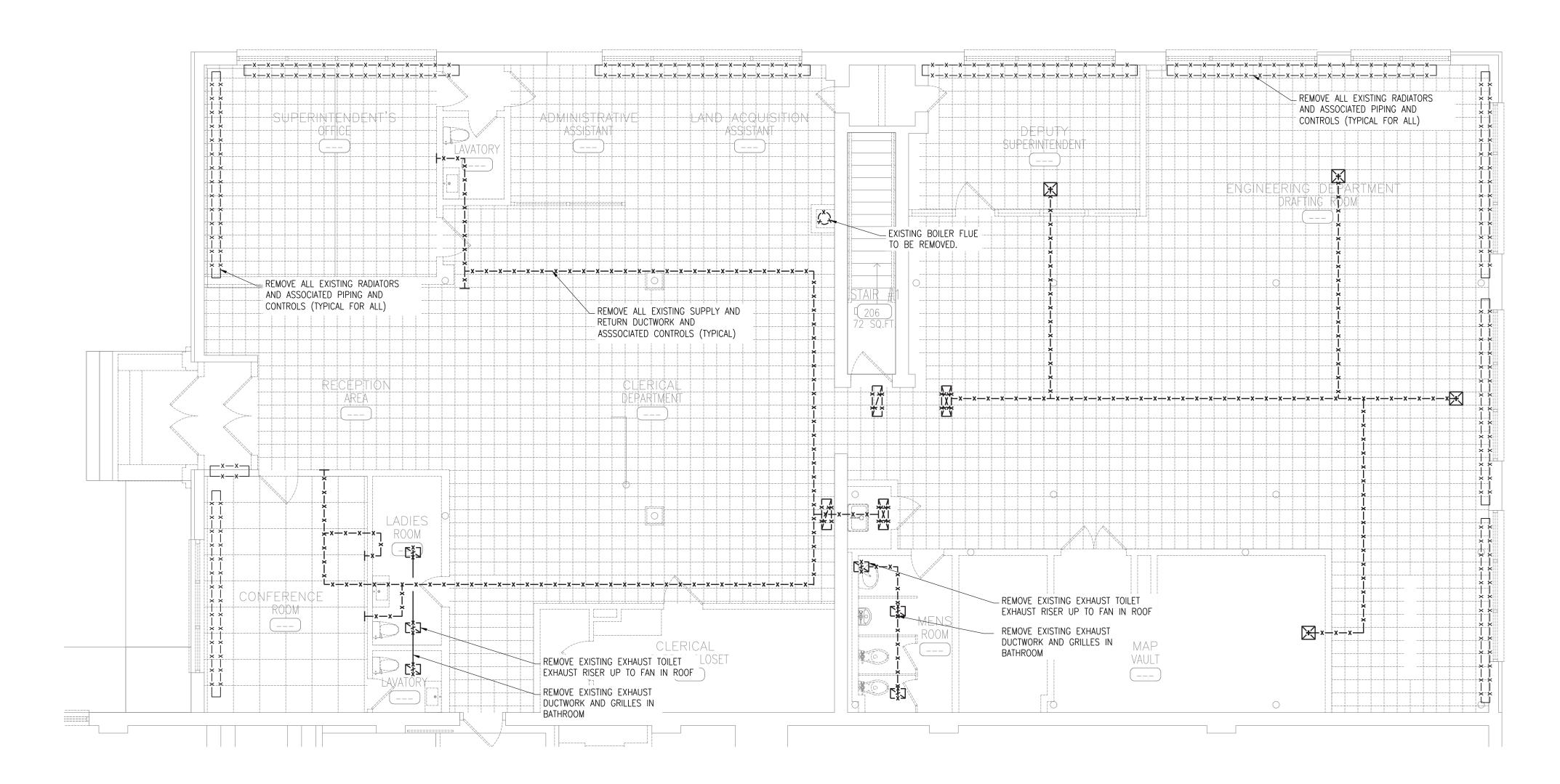
SCALE: AS NOTED

DRAWING NO.:

REFERENCE NORTH

M101.00

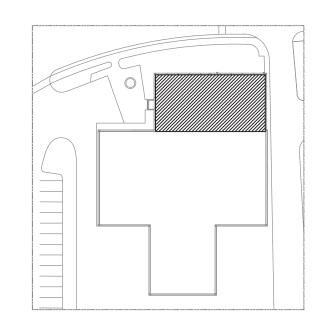
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1 UPPER LEVEL DEMOLITION FLOOR PLAN

one eighth inch = one foot

0 4 8 16







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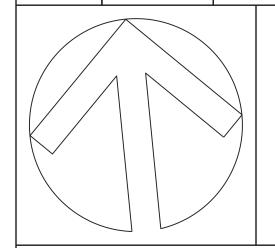
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# CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

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MECHANICAL UPPER LEVEL DEMOLITION FLOOR PLAN

PROJECT NO.:

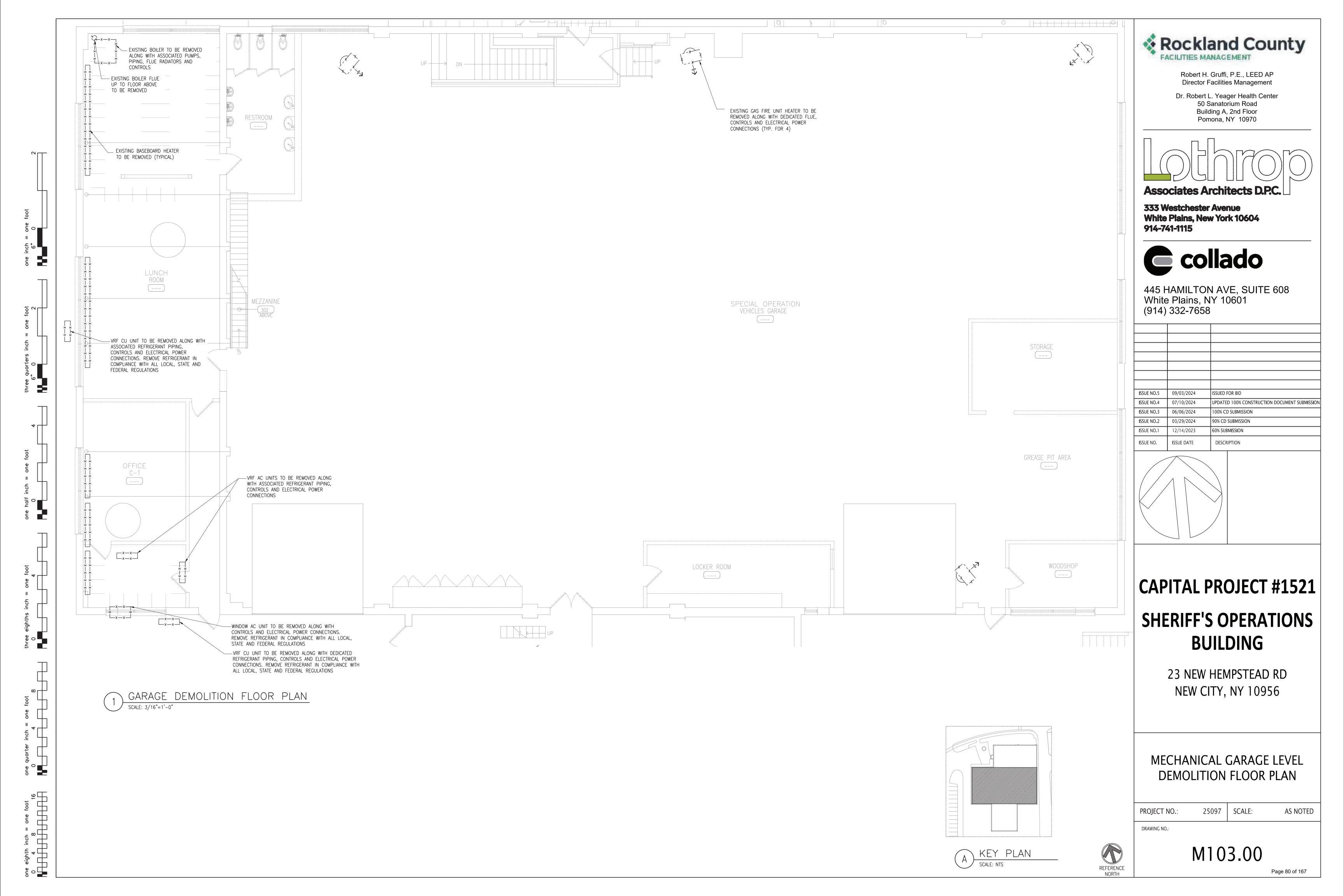
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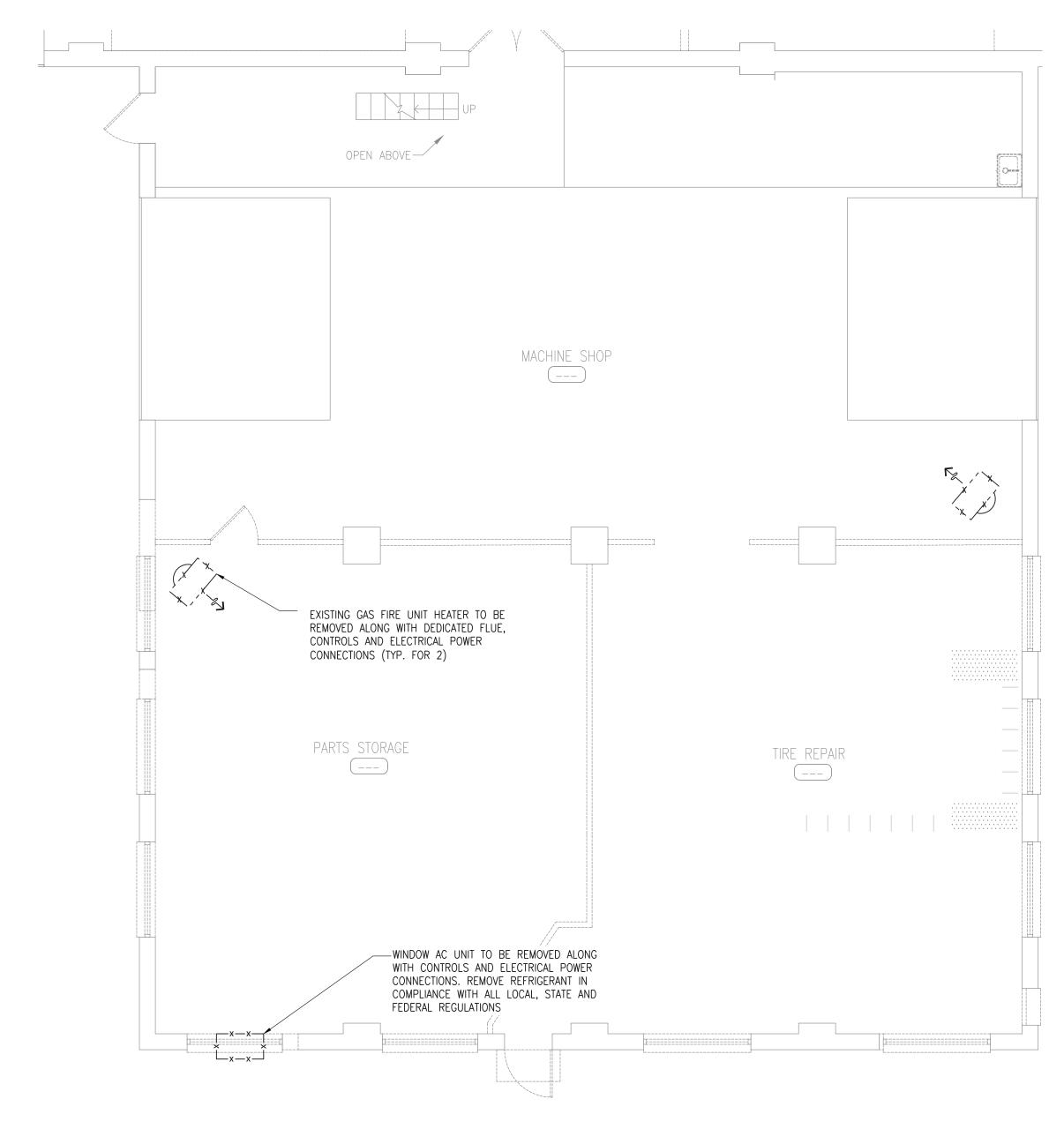
CALE: AS NOTED

DRAWING NO.:

REFERENCE NORTH M102.00

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GARAGE DEMOLITION FLOOR PLAN (REACT) SCALE: 3/16"=1'-0"



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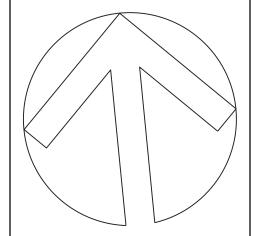
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## **CAPITAL PROJECT #1521** SHERIFF'S OPERATIONS BUILDING

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MECHANICAL GARAGE LEVEL DEMOLITION FLOOR PLAN (REACT)

PROJECT NO.:

DRAWING NO.:

25097 SCALE:

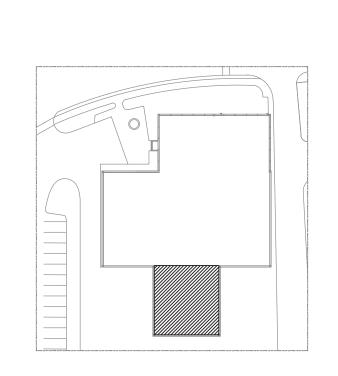


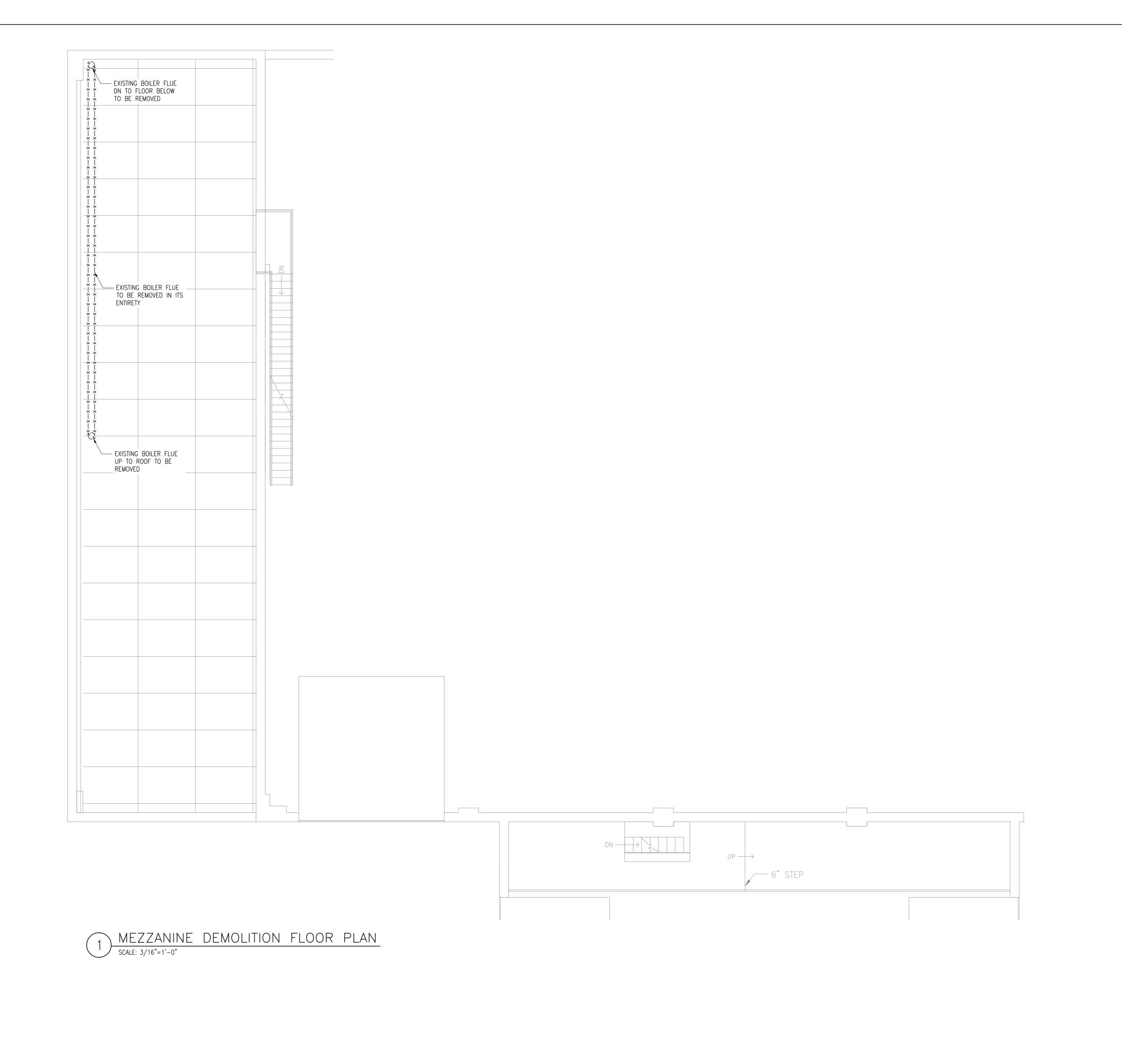


M104.00

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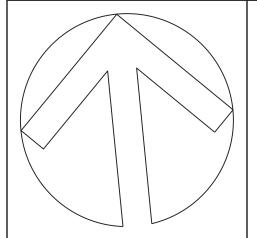
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ISSUE NO.4	07/10/2024	UPDATED 100% CONSTRUCTION DOCUMENT SUBMISSION
ISSUE NO.3	06/06/2024	100% CD SUBMISSION
ISSUE NO.2	03/29/2024	90% CD SUBMISSION
ISSUE NO.1	12/14/2023	60% SUBMISSION
ISSUE NO.	ISSUE DATE	DESCRIPTION



### **CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING**

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL MEZZANINE LEVEL DEMOLITION FLOOR PLAN

PROJECT NO.:

25097 SCALE:

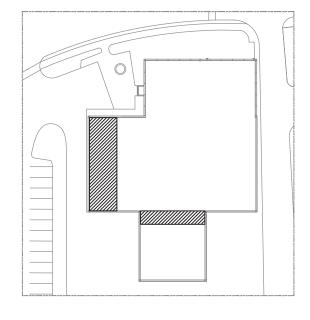
AS NOTED

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KEY NOTES

COORDINATE ALL ROOF WORK AND RESTORATION WITH THE ARCHITECT AND THE ROOF CONTRACTOR.



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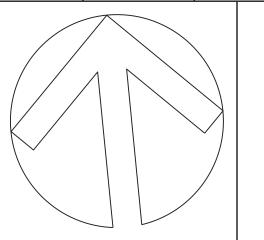
Associates Architects D.P.C.

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ISSUE NO.5	09/03/2024	ISSUED FOR BID
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ISSUE NO.1	12/14/2023	60% SUBMISSION
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## CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

## MECHANICAL ROOF LEVEL DEMOLITION PLAN

PROJECT NO.:

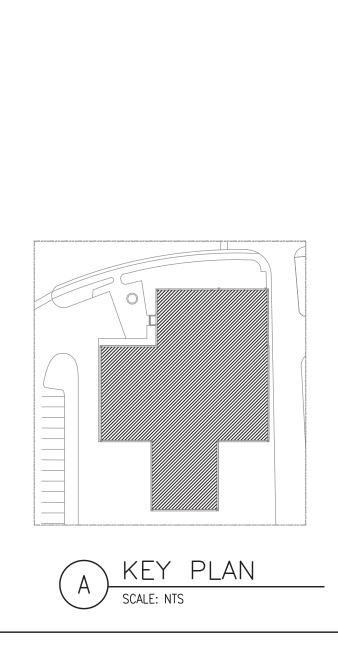
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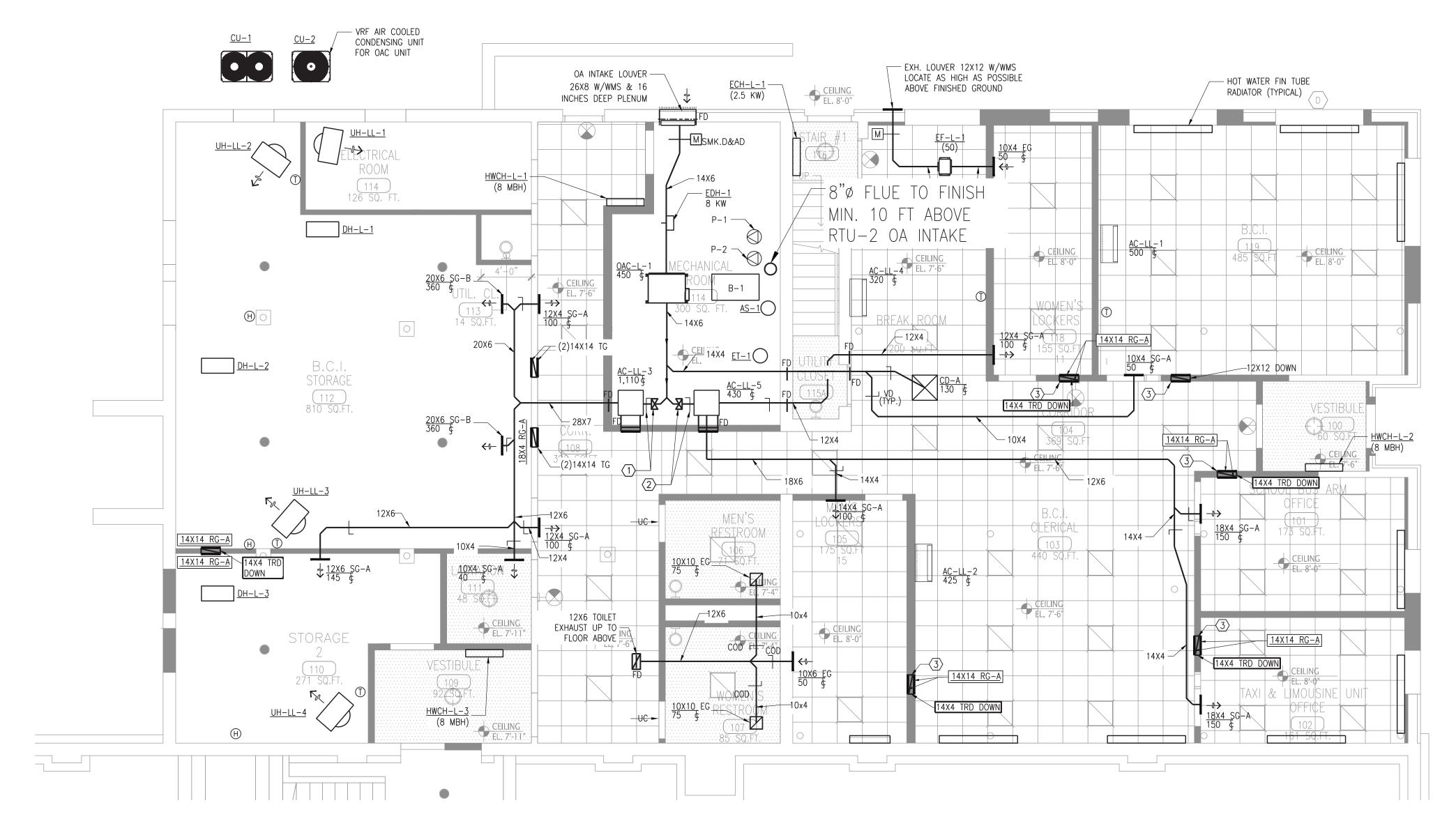
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DRAWING NO.:

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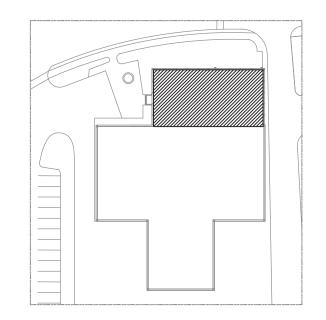


#### 1 LOWER LEVEL CONSTRUCTION FLOOR PLAN

#### KEY NOTES

- 12X6 OUTSIDE AIR DUCT DOWN TO CONNECT TO AC-LL-3 MIXING PLENUM. BALANCE DAMPER TO PROVIDE A MINIMUM OF 120 CFM OF OUTDOOR AIR.
- 10x6 OUTSIDE AIR DUCT DOWN TO CONNECT TO AC-LL-5 MIXING PLENUM. BALANCE DAMPER TO PROVIDE A MINIMUM OF 60 CFM OF OUTDOOR AIR.
- PROVIDE TRANSFER DUCT. TRANSFER DUCT SHALL BE SIZED AT 12X4 AND ROUTED DOWN THROUGH WALL SPACE.

  WALL MOUNTED GRILLES SHALL BE POSITIONED 1'-0" A.F.F. IN CORRIDOR SPACE AND 7'-0"







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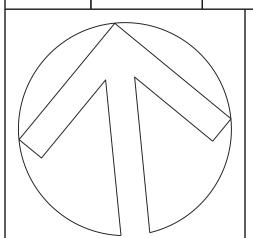
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## CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL LOWER LEVEL CONSTRUCTION FLOOR PLAN

PROJECT NO.:

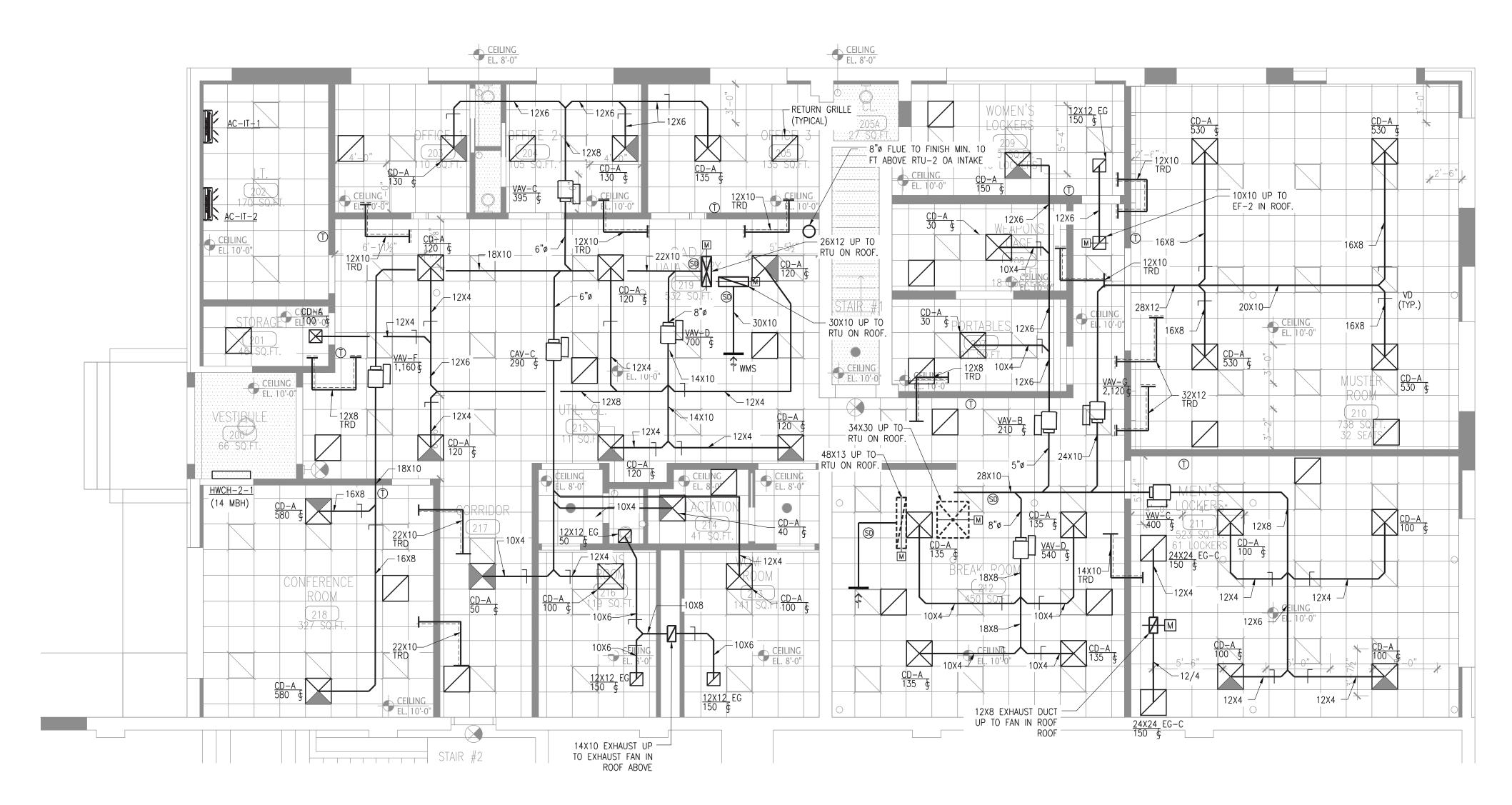
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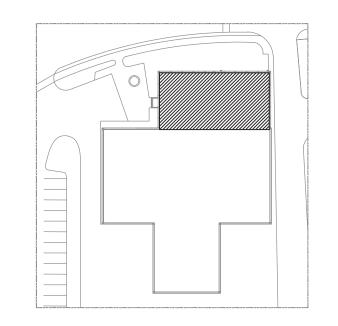
SCALE: AS NOTED

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1 UPPER LEVEL CONSTRUCTION FLOOR PLAN







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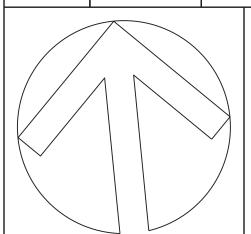
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# CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL UPPER LEVEL CONSTRUCTION FLOOR PLAN

PROJECT NO.:

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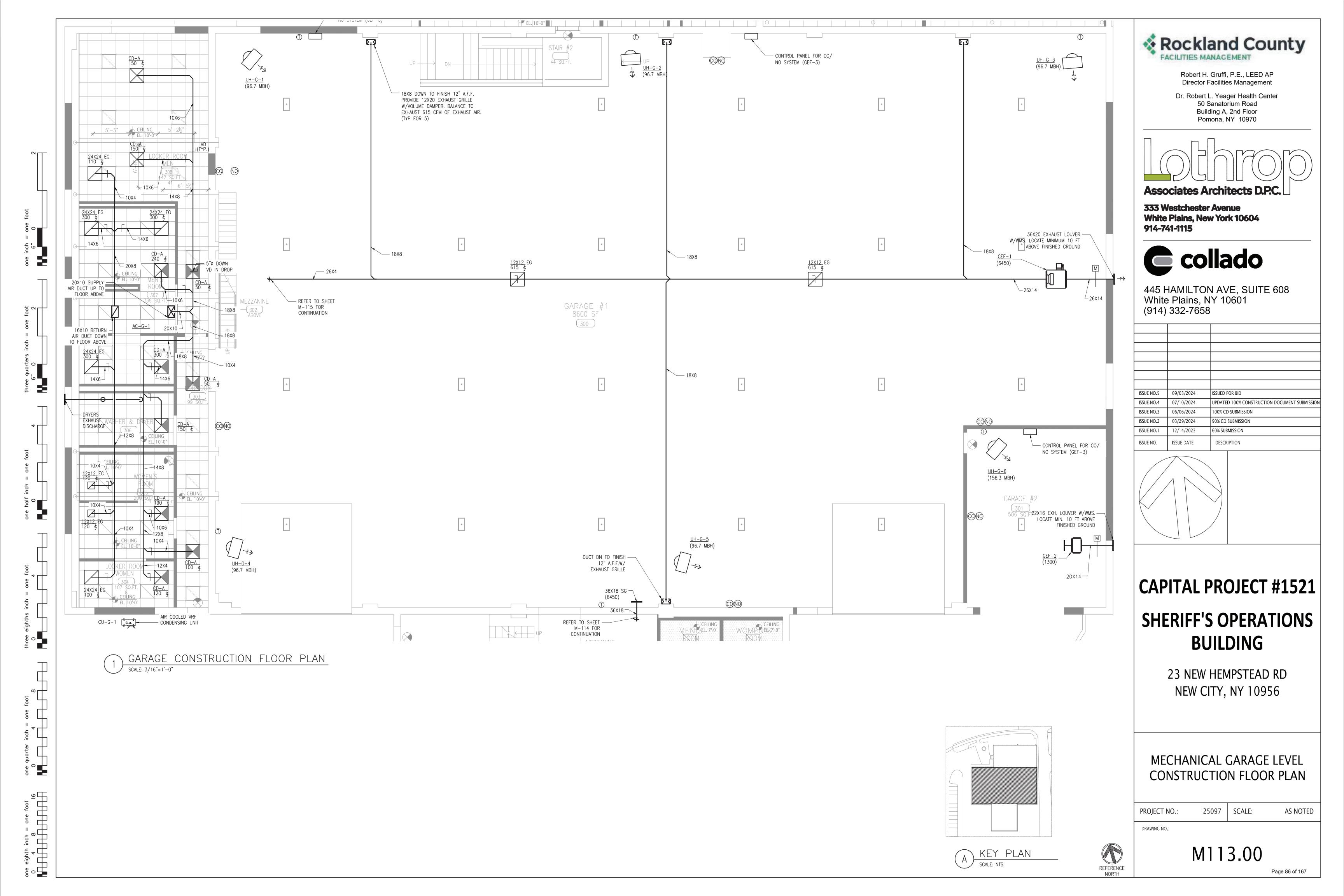
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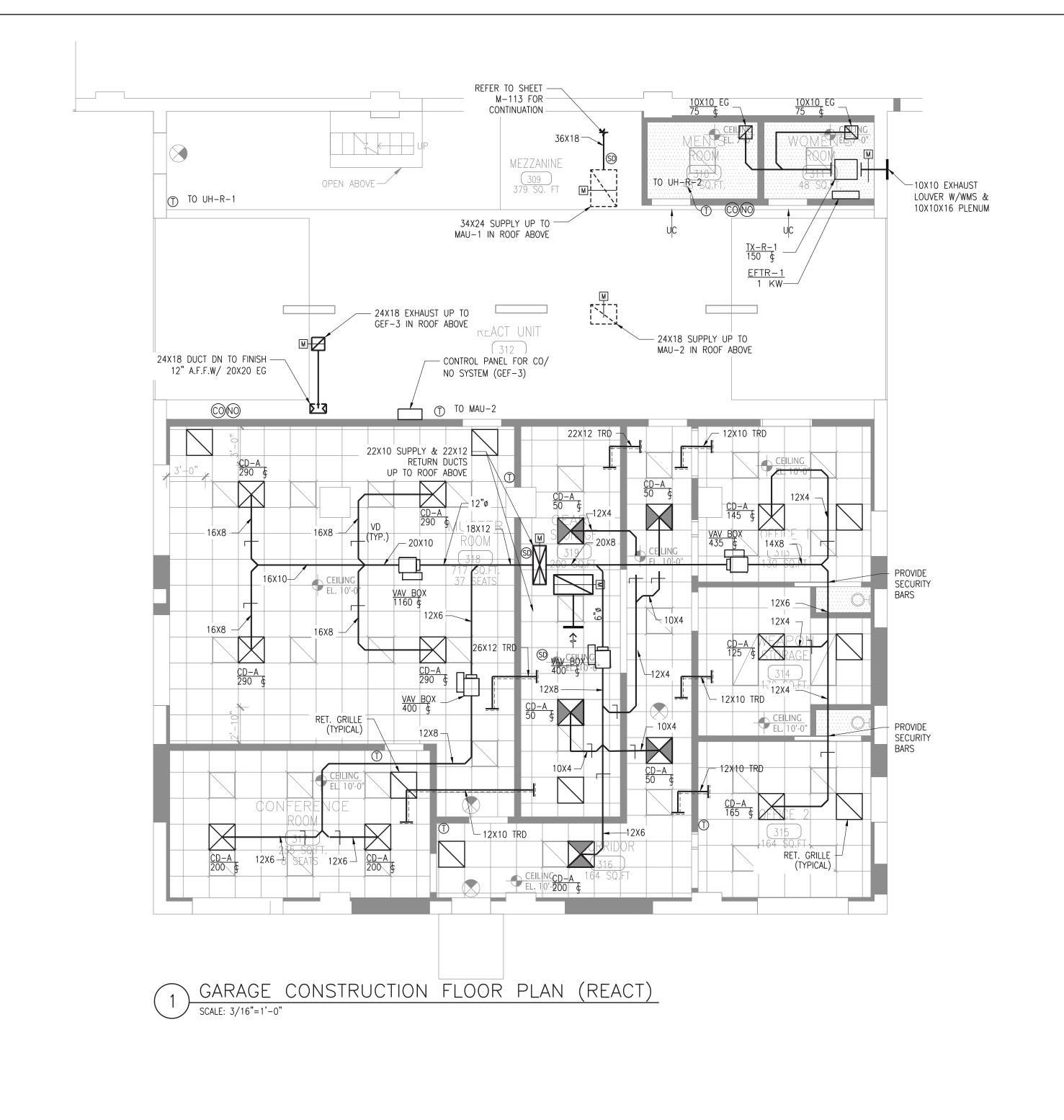
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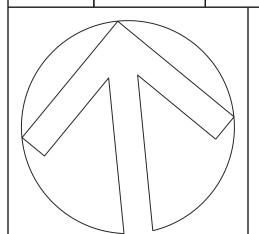
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ISSUE NO.	ISSUE DATE	DESCRIPTION



## CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL GARAGE LEVEL CONSTRUCTION FLOOR PLAN (REACT)

PROJECT NO.:

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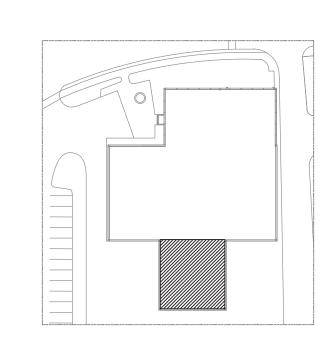
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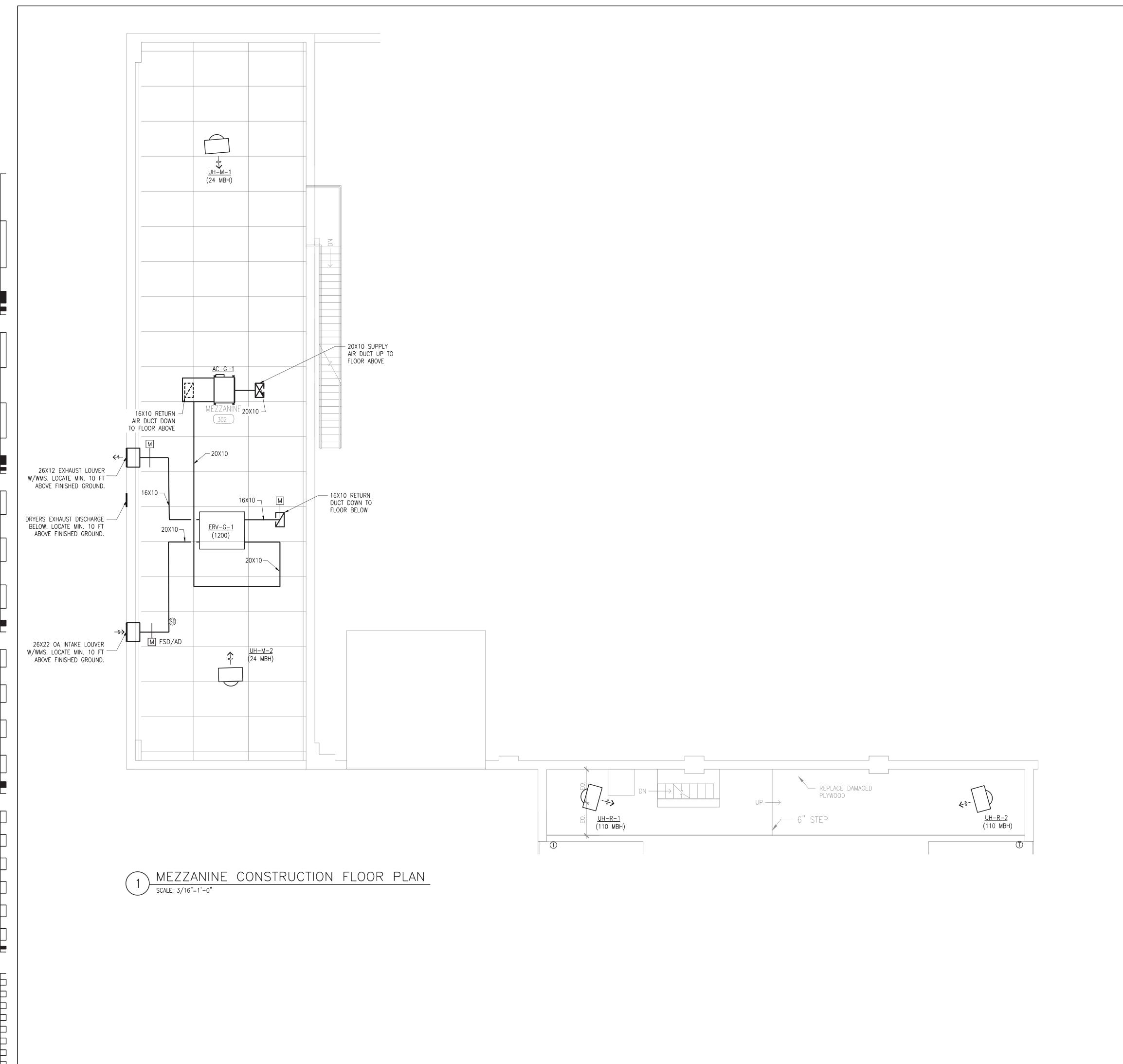
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A KEY PLAN

SCALE: NTS



#### KEY NOTES

(1) BOTH THE ERV AND THE AC UNIT SHALL BE HUNG FROM THE EXISTING STRUCTURE. REFER TO EQUIPMENT HANGING DETAIL IN DETAILS SHEETS.



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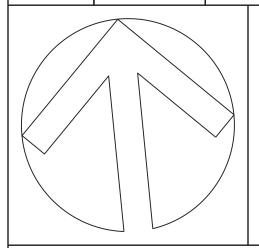
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## CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL MEZZANINE LEVEL CONSTRUCTION FLOOR PLAN

PROJECT NO.:

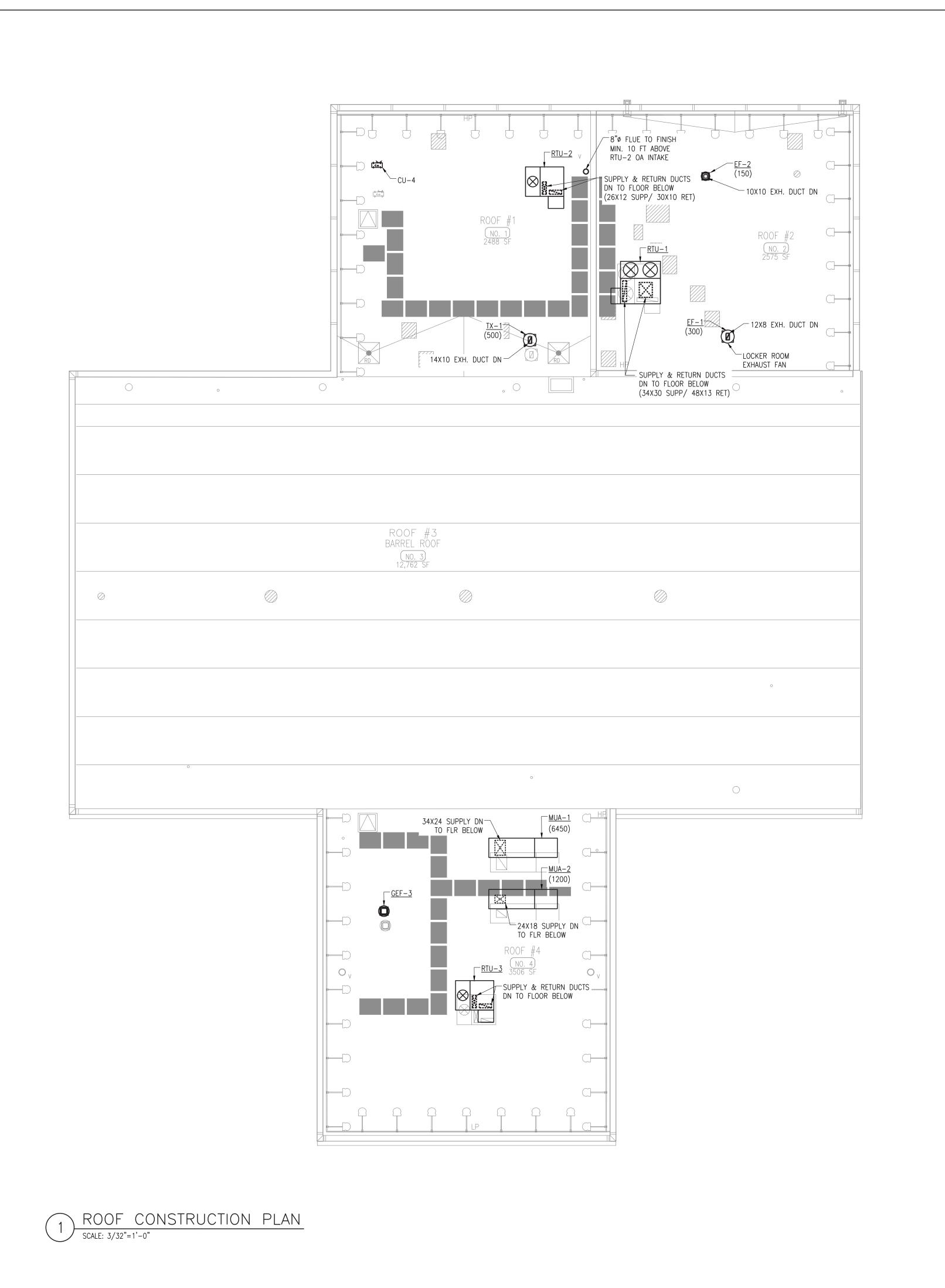
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SCALE: AS NOTED

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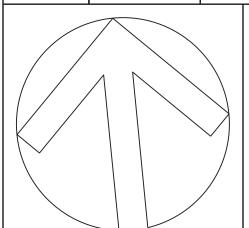
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### **CAPITAL PROJECT #1521** SHERIFF'S OPERATIONS **BUILDING**

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL ROOF LEVEL CONSTRUCTION PLAN

PROJECT NO.:

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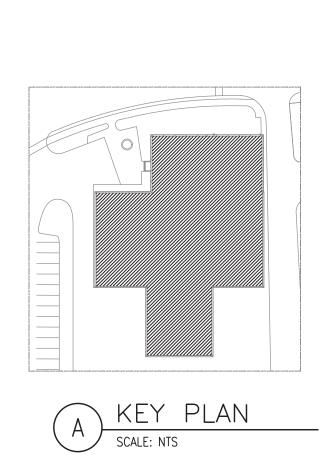
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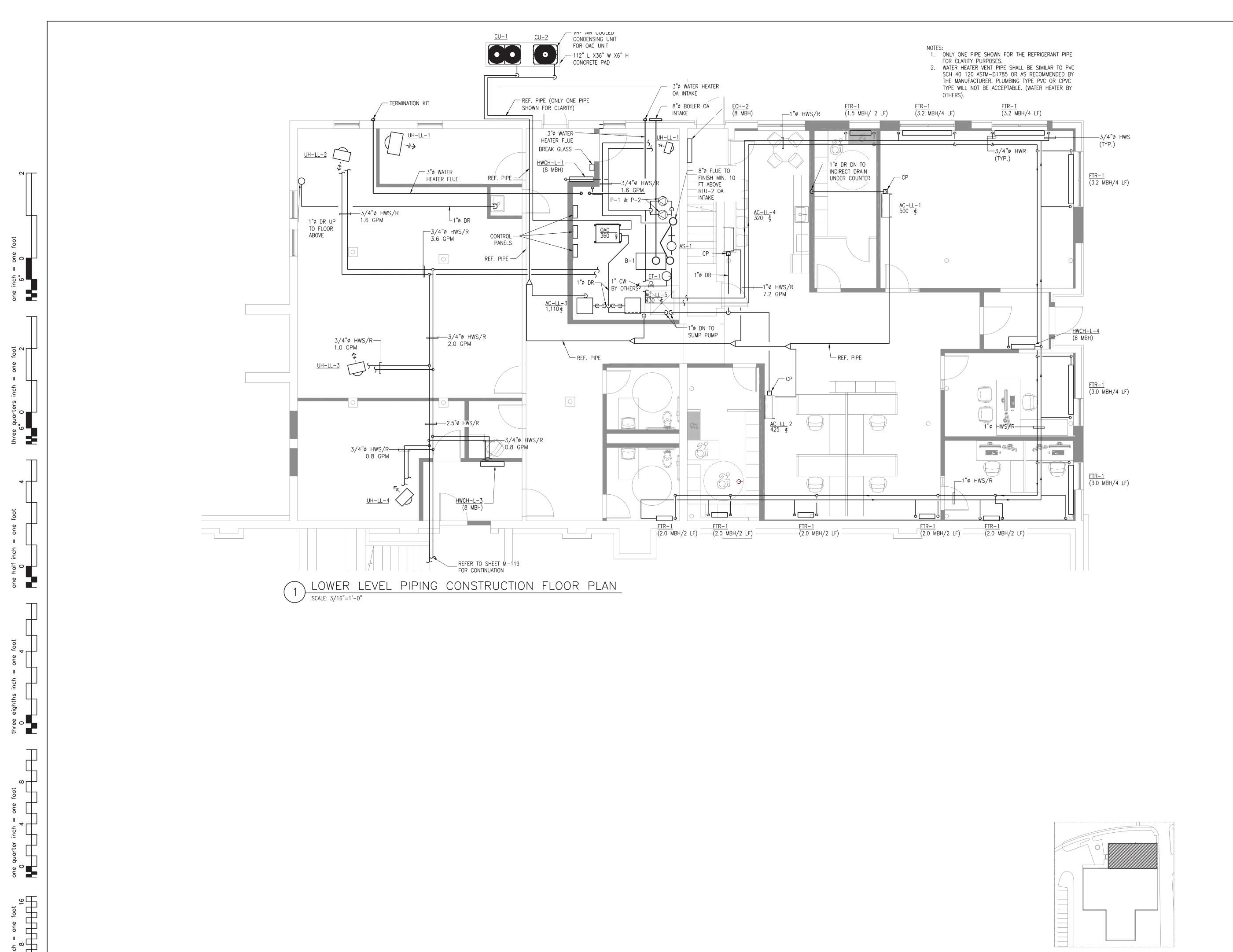
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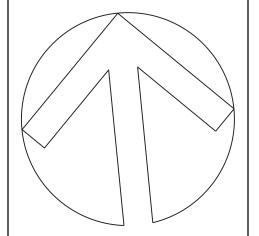
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ISSUE NO.5			
ISSUE NO.4         07/10/2024         UPDATED 100% CONSTRUCTION DOCUMENT SUBMISSION           ISSUE NO.3         06/06/2024         100% CD SUBMISSION           ISSUE NO.2         03/29/2024         90% CD SUBMISSION           ISSUE NO.1         12/14/2023         60% SUBMISSION			
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	ISSUE NO.2	03/29/2024	90% CD SUBMISSION
ISSUE NO. ISSUE DATE DESCRIPTION	ISSUE NO.1	12/14/2023	60% SUBMISSION
	ISSUE NO.	ISSUE DATE	DESCRIPTION



### **CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS** BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL LOWER LEVEL PIPING FLOOR PLAN

PROJECT NO.:

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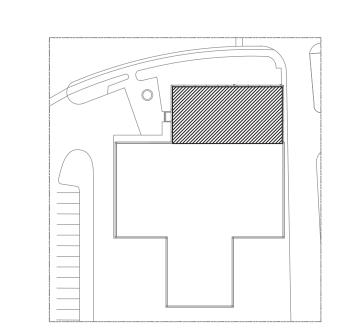
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1 UPPER LEVEL PIPING CONSTRUCTION FLOOR PLAN SCALE: 3/16"=1'-0"







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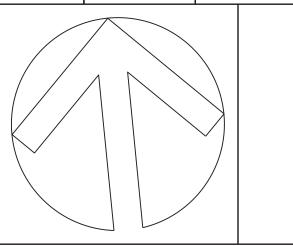
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# CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL UPPER LEVEL PIPING FLOOR PLAN

PROJECT NO.:

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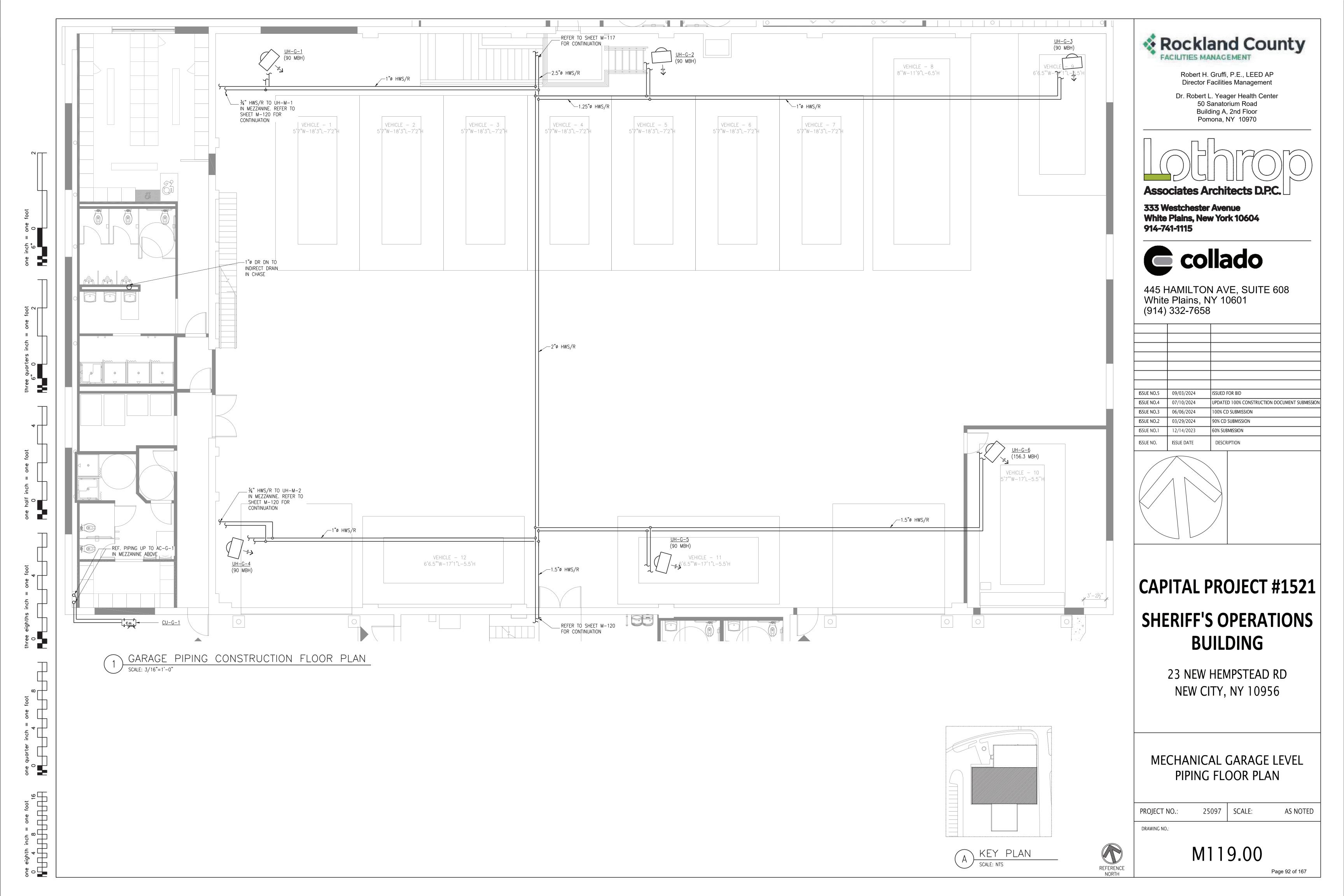
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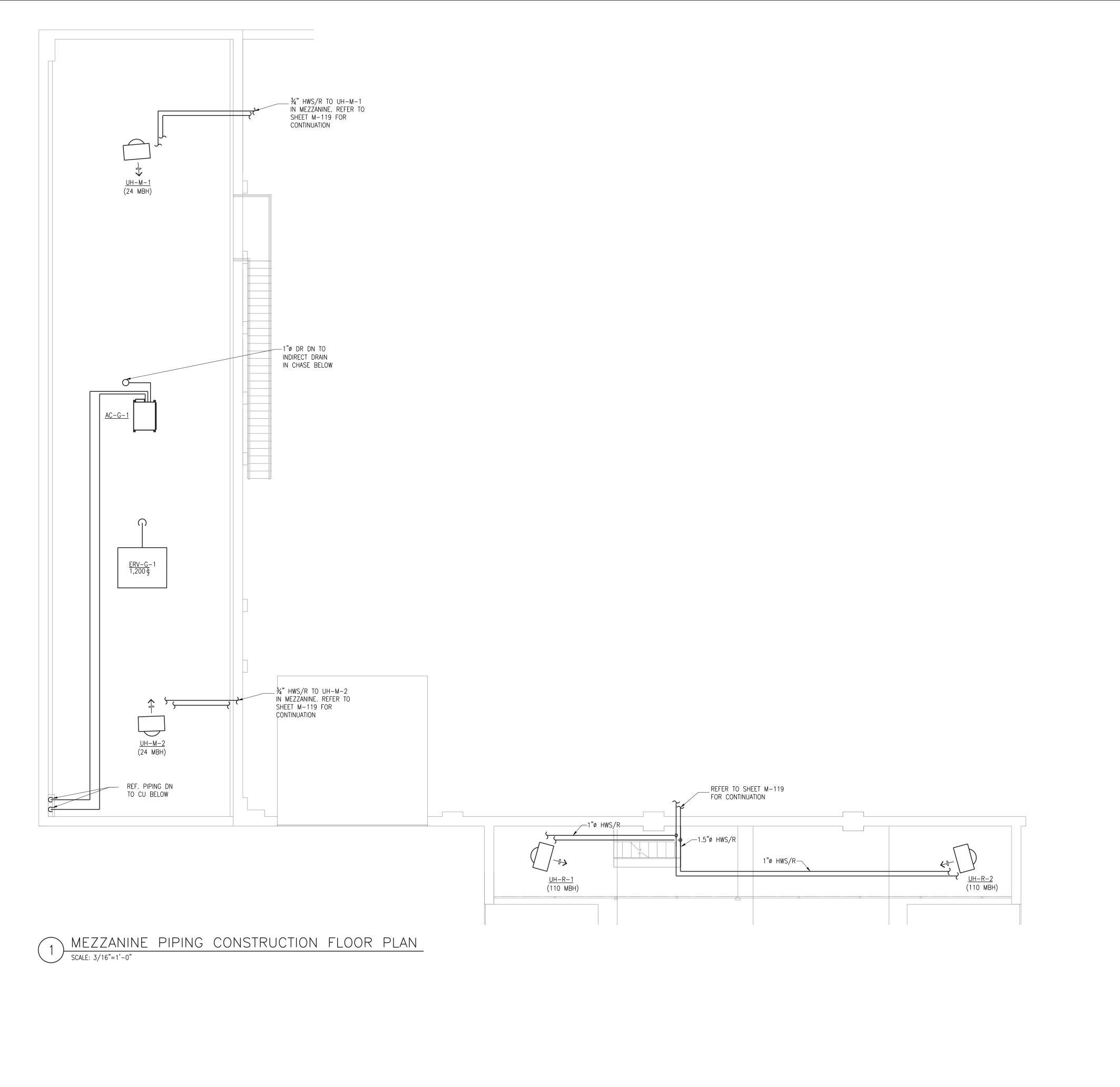
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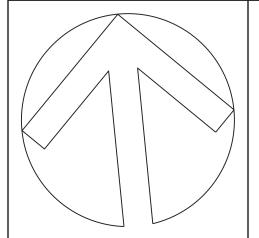
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### **CAPITAL PROJECT #1521** SHERIFF'S OPERATIONS **BUILDING**

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL MEZZANINE LEVEL PIPING FLOOR PLAN

PROJECT NO.:

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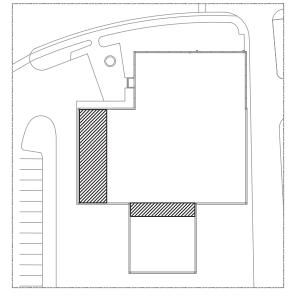
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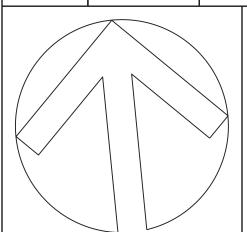
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### **CAPITAL PROJECT #1521** SHERIFF'S OPERATIONS **BUILDING**

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL ROOF LEVEL PIPING PLAN

PROJECT NO.:

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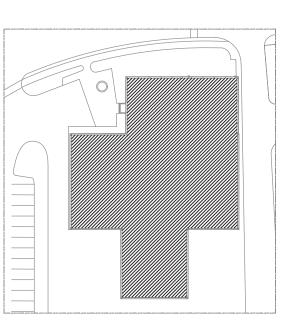
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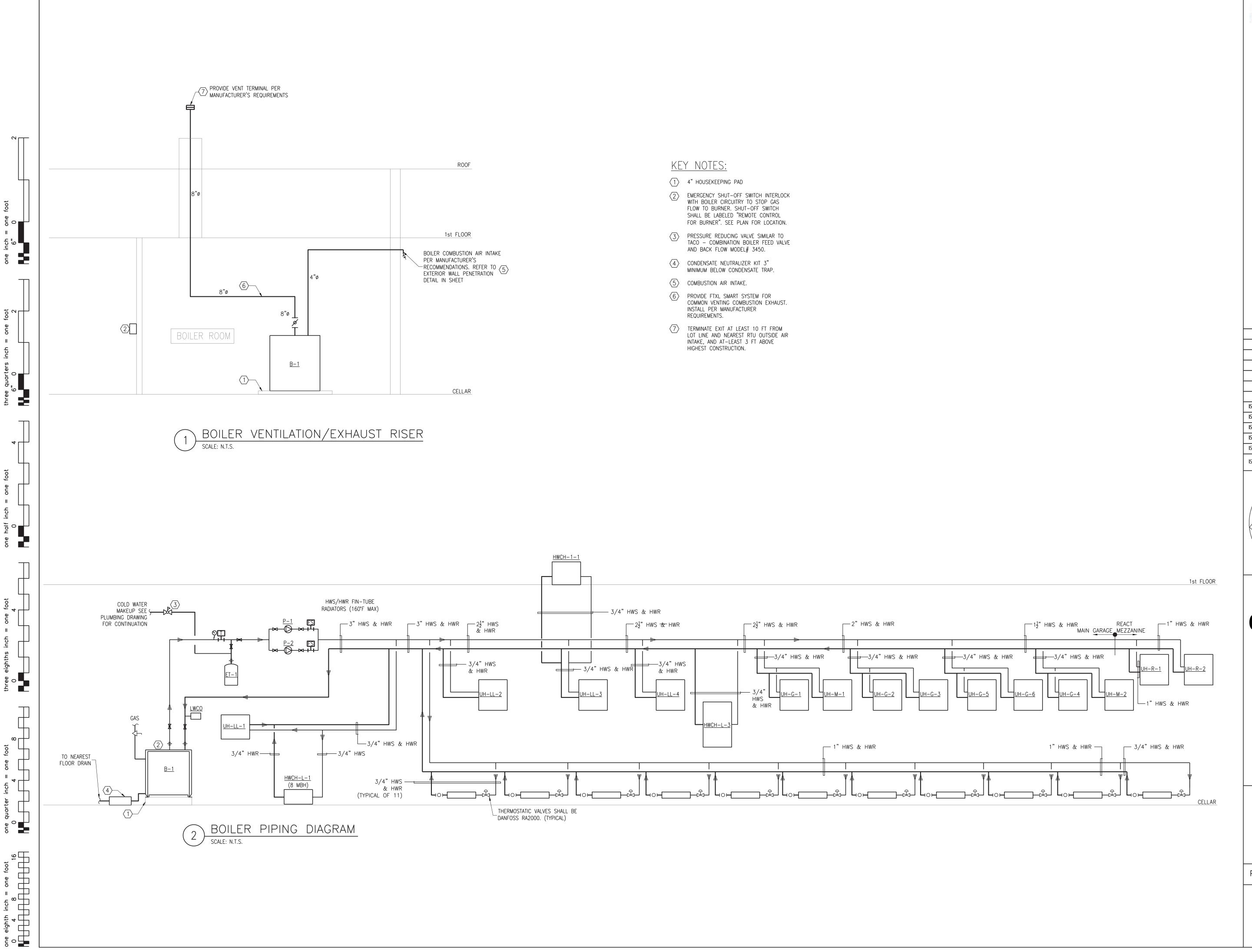
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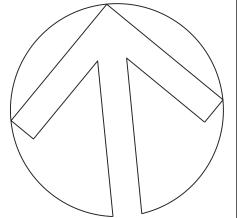
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### **CAPITAL PROJECT #1521** SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL BOILER EXHAUST AND PIPING RISER DIAGRAM

PROJECT NO.:

25097 SCALE:

AS NOTED

DRAWING NO.:

M200.00

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				SU	JPPLY FAN DATA	Ä			RETUF	RN/EXHAUST	FAN					COOL	ING PERFORMA	NCE			HOT GAS	S REHEAT ACITY		HEATIN	IG PERFORMA	ANCE			EL	LECTRICAL	DATA		DMENSIONS LXHXW	WEIGHT	MANUFACTURER AND
	AG	LOCATION SERVICE	CFM	FAN QTY.	TSP/ ESP (IN. W.C.)	RPM	BHP/ HP	CFM	FAN QTY.	ESP (IN. W.C.)	RPM	BHP/ HP	COIL S		EAT (°F) DB WB		CAPACITY	SENSIBLE CAPACITY (MBH)	REFRIGERAN [*]	T EER/IEER	MBH	LAT (DB/ WB) F	HEATING TYPE	GAS PRESSURE (IN. OF W.G.)	EAT LAT (°F) DB DB	/MDH/	CAPACITY (MBH)	)P V/I	PH/HZ	FLA	MCA	MOCP	(IN.)	(LBS.)	MODEL NUMBER
R	·U-1 LI	UPPER EVEL ROOF SEE PLAN	3070	1	1.3/ 0.9	2375	1.13/ 4.0	500	1	0.5	1134	0.17/ 0.5	3	15	78 64.1	54.2 54.	.6 90.7	79.5	410A	12.1/ 19.8	69.0	75/ 62	NAT GAS	4-14	50 98	200	160	- 208	8/3/60	42.5	45.4	50	91x56.8x96.5	2210	DAIKIN - DPS007A
R	U-2 LI	UPPER EVEL ROOF SEE PLAN	2400	1	2.3/ 0.9	2366	1.36/ 4.0	300	1	0.5	1134	0.17/ 0.5	4	16	77.1 63.5	53.9 53.	.5 70.0	60.8	410A	1.3/ 19.3	55.0	75/ 62	NAT GAS	4-14	62.7 87.3	80	64	- 208	8/3/60	38.5	42.3	50	67x40.8x87	1489	DAIKIN – DPS006A
R	U−3 R	EACT AREA SEE PLAN	1650	1	1.6/ 0.9	1824	0.64/ 4.0	300	1	0.5	1134	0.17/ 0.5	4	14	78.6 64.6	52.8 52.	.7 57.6	46.6	410A	12.8/ 17.1	39.7	75/ 2	NAT GAS	4-14	57 92.7	80	64	- 208	3/3/60	32.6	35.5	45	67x40.8x87	1439	DAIKIN - DPS005A

. PROVIDE WITH NON-FUSED DISCONNECT SWITCH MOUNTED IN UNIT, HOT GAS REHEAT AND GAS MODULATING CAPACITY AT 10:1 TURNDOWN.

2. PROVIDE WITH 24" HIGH ROOF CURB AND NEOPRENE PADS FOR ALL RTU'S. PROVIDE ALL WITH NEOPRENE PADS VIBRATION ISOLATORS BETWEEN THE BOTTOM OF THE UNITS AND THE ROOF CURB.

3. PROVIDE WITH AIRSIDE ECONOMIZER OPERATION CONTROLS. 4. PROVIDE FACTORY WIRED VFDs.

5. PROVIDE WITH MERV 13 FILTERS.

6. BOTTOM SUPPLY AND RETURN CONNECTIONS. 7. INTERLOCK UNIT TO DUCT MOUNTED SMOKE DETECTORS INSTALLED IN THE SUPPLY AND RETURN DUCTS.SUPPLY AND RETURN.

8. PROVIDE THE FOLLOWING FEATURES FOR THE UNITS: BACNET/ MSTP CARD, UNIT POWERED 115 GFI OUTLET, LEAVING COIL/ ENTERING TEMPERATURE AND EMTHALPY SENSORS, DIRTY FILTERS ON/ OFF SWITCH, SUPPLY FAN AIR PROVING, BUILDING STATIC PRESSURE CONTROL, CONDENSATE OVERFLOW SWITCH.

ER SCHEDUL	E																						
				BOIL	ER PERF	DRMANCE DATA					BURNER PERFORM	MANCE DATA				PIPE CONNECTION SIZES		ELECTRICAL DATA	A				
SERVICE			INDUT	ГМТ	LVA/T	OUTPUT HEATING		PRESS. RELIEF			NATURAL	GAS	_		_					DIMENSIONS LXWXH	WEIGHT	MANUFACTURER AND	NOTES
SLIVICE	VENTING TYPE	FLUID TYPE	(MBH)	(°F)	(°F)	GPM CAPACITY (MBH)	RATIO	VALVE SETTING (PSIG)	MINIMUM PRESSURE (IN. WG.)	MAXIMUM PRESSURE (IN. W.G.)	THERMAL EFFICIENCY (%)	AFUE (%)	AIR INTAKE (IN)	VENT SIZE (IN)	GAS LINE SIZE (IN.)	WATER NPT	VOLTAGE	PHASE	MCA (AMPS)	(IN.)	WLIGITI	MODEL	NOTES
LOWER LEVEL HEATING	CONDENSING	WATER	1500	130	160	129 1440	7:1	40.0	4.0	10.5	96.0	80.0	8.0	8.0	1.25	2.5	120	1	17.0	50X31X67	1234	RAYPAK – 1505A	1-8
-	SERVICE LOWER LEVEL	SERVICE VENTING TYPE  LOWER LEVEL CONDENSING	SERVICE VENTING TYPE FLUID TYPE  LOWER LEVEL CONDENSING WATER	SERVICE  VENTING TYPE   FLUID TYPE   INPUT (MBH)	SERVICE  VENTING TYPE FLUID TYPE INPUT (MBH) (*F)  LOWER LEVEL CONDENSING WATER 1500 170	SERVICE  VENTING TYPE   FLUID TYPE   INPUT (MBH) (*F) (*F) (*F)  LOWER LEVEL CONDENSING WATER 1500 170 160	SERVICE  VENTING TYPE FLUID TYPE INPUT (MBH)  LOWER LEVEL CONDENSING WATER 1500 170 160 120 1440	SERVICE  VENTING TYPE FLUID TYPE INPUT (MBH)  LOWER LEVEL CONDENSING WATER 1500 170 160 120 1440 711	SERVICE  VENTING TYPE FLUID TYPE INPUT (MBH)  LOWER LEVEL CONDENSING WATER 1500 170 160 120 1440 711 40.0	SERVICE  VENTING TYPE FLUID TYPE INPUT (MBH)  LOWER LEVEL CONDENSING WATER 1500 170 160 120 1440 711 400 400 400 400 400 400 400 400 400 4	SERVICE  VENTING TYPE FLUID TYPE INPUT ("F) UNTING TYPE FLUID TYPE INPUT ("F) UNTING TYPE FLUID TYPE INPUT ("F) UNTING UNDER LEVEL CONDENSING WATER 1500 170 160 120 1440 711 400 711 400 100 100 100 100 100 100 100 100 1	SERVICE    VENTING TYPE   FLUID TYPE   INPUT (MBH)   MBH)   MBH   MBH	SERVICE    VENTING TYPE   FLUID TYPE   INPUT (MBH)   MBH)   MBH   MBH	SERVICE    VENTING TYPE   FLUID	SERVICE    SERVICE   FLUID TYPE   FLUID TYPE	SERVICE  BOILER PERFORMANCE DATA  BURNER PERFORMANCE DATA  BURNER PERFORMANCE DATA  BURNER PERFORMANCE DATA  NATURAL GAS  NATURAL GAS  VENTING TYPE FLUID TYPE (MBH) (*F) (*F) GPM (*F) GPM (MBH) (*F) (MBH) (MBH) RATIO (PSIG) (IN. W.G.) (IN. W.	SERVICE    SERVICE   FLUID TYPE   FLUID TYPE	SERVICE    SERVICE   TOUR TYPE   FLUID TYPE   TUID TYP	SERVICE  BOILER PERFORMANCE DATA  BURNER PERFORMANCE DATA  BURNER PERFORMANCE DATA  PIPE CONNECTION SIZES  FLUID TYPE FLU	SERVICE VENTING TYPE FLUID TYPE INPUT (MBH) FLUID TYPE LOWER LEVEL CONDENSING WATER 1500 130 160 130 1440 711 400 140 105 105 105 105 105 105 105 105 105 10	SERVICE    SERVICE   FLUID TYPE   FLUID TYPE	SERVICE FULID TYPE FLUID TYPE FLU	SERVICE FUILD TYPE FUI

. FURNISH WITH ASME PRESSURE RELIEF VALVE SET @ 60 PSIG . GAS OPERATING RANGE: LOW PRESSURE 4" W.C. - 10.5" W.C.

3. FURNISH WITH OPTION D-11 VENT TERMINATION AND D-18 FLUE EXHAUST ADAPTER

4. FURNISH WITH HIGH/LOW GAS PRESSURE SWITCH, MANUAL RESET AND AUTO RESET HIGH LIMIT. . FURNISH WITH CONDENSATE NEUTRALIZER KIT

5. EQUIPMENT MUST CONFORM WITH CSD-1 AGENCY REQUIREMENTS

'. FURNISH WITH A SLR VIBRATION ISOLATOR WITH 1" STATIC DEFLECTION

B. PROVIDE WITH TACO 1630 BOILER PUMP ( $\frac{1}{4}$  HP, 5.7 AMPS)

CINICIE	DUCT	\ /	$D \cap V$	CULEDIIIE
SINGLL	DUUI	$\lor \land \lor$	DOV	SCHEDULE

DESIGNATION	MANUFACTURER	MODEL NO.	AIRFLOW RANGE (CFM)	INLET SIZE	NC @ MAX RANGE CFM ΔPS=1.5"	REMARKS
VAV-A	TITUS	DESV	45-180	4	29	1 THROUGH 8
VAV-B	TITUS	DESV	65-280	5	30	1 THROUGH 8
VAV-C	TITUS	DESV	80-400	6	30	1 THROUGH 8
VAV-D	TITUS	DESV	145-720	8	30	1 THROUGH 8
VAV-E	TITUS	DESV	230-1120	10	32	1 THROUGH 8
VAV-F	TITUS	DESV	325-1600	12	34	1 THROUGH 8
VAV-G	TITUS	DESV	450-2400	14	33	1 THROUGH 8

REFER TO MECHANICAL SPECIFICATIONS AND DETAILS.

PROVIDE WITH WALL MOUNTED DIGITAL KEYPAD THERMOSTAT (BY ALERTON).

CONTROLS SHALL BE FACTORY MOUNTED. CONTROLS SHALL BE APPROVED BY ATC CONTRACTOR.

MINIMUM CFM FOR EACH BOX TO BE SET AT 30% OF CFM INDICATED ON FLOOR PLANS U.O.N..

PROVIDE WITH CLASS II, 24 VOLT CONTROL TRANSFORMER.

NORMALLY OPEN UNLESS OTHERWISE NOTED.

PROVIDE WITH AUTO-CHANGEOVER SENSOR FOR MORNING WARM UP/ COOLING OPERATION.

USE ECOSHIELD 1" LINER UNLESS OTHERWISE NOTED.

#### ENERGY RECOVERY VENTILATOR SCHEDULE (WHEEL TYPE)

				(,,,,,																
		SUPPI	LY AIR	ENTHALPY RECOVERY RATIO		ENERGY RECOVE	RY PERFORMAN	CE (SUMMER,	/ WINTER)			EXHAUST AIR			ELECTRIC	CAL DATA		DIMENSIONS		
TAG	SERVICE	CFM	ESP	% SUMMER/ WINTER	TOTAL CAPACITY	SENSIBLE	EFFECTIVENESS	EA	ΛT	LAT	CEM	ESP (IN. WC.)	FILTER	VOLTAGE	PHASE	MCA	MOP	DIMENSIONS WEIGHT	MANUFACTURER AND MODEL	NOTES
		CFIVI	ESF	% SOMMENY WINTER	REDUCTION (BTUH)	CAPACITY (MBH)	ELLECTIAFINESS	DB (°F)	WB (°F)	DB (°F) WB (°F)	CFIVI	LSF (IIV. WC.)	FILIER	VOLTAGE	FINASE	(AMPS)	(AMPS)			
ERV-G	-1 GARAGE LOCKER RMS	1200	0.6	68.5/10	45360.0	53710.0	81.2/84.3	89.7/12.8	77/10.2	79.1/53.9 67.7/44.	980	0.6	MERV-8	208	1	15	20	- 779	GREENHECK – ERV–20–15L	1-5

1. PROVIDE WITH DISCONNECT SWITCH MOUNTED IN UNIT.

2. PROVIDE SPRING TYPE VIBRATION ISOLATORS.

3. PROVIDE WITH AIRSIDE ECONOMIZER OPERATION CONTROLS. 4. PROVIDE WITH OUTDOOR AIR (2" MERV 8, 4-20X25X2), RETURN AIR (2" MERV 8, 4-20X25X2) AND SUPPLY AIR FILTERS (2" MERV 8, 4-20X20X2).

5. PROVIDE FROST CONTROL - TIMED EXHAUST. 6. PROVIDE BACNET CONNECTIVITY OPTION.

#### FIN TUBE RADIATON

				PERFORMA	NCE DATA						CONSTRUCTION DA	\TA				
TAG	LOCATION	DOOM AID DD (°C)	CAPACITY	ENTERING WATER	LEAVING WATER	WA	ATER	TUE	BES	FI	NS		FIN DIM	ENSIONS	MANUFACTURER AND MODEL	NOTES
		ROOM AIR DB (°F)	(BTU/HR/FT)	TEMPERATURE (°F)	TEMPERATURE (°F)	GPM	PRESSURE DROP (FT. W.C.)	MATERIAL	SIZE	NUMBER PER LINEAR FOOT	THICKNESS (IN.)	ENCLOSURE TYPE	HEIGHT (IN.)	WIDTH (IN.)		
FTR-A	SEE PLANS	68.0	875.0	160.0	130.0	0.7	0.042	COPPER	1"	40	0.0200	SPECIFIED BY ARCHITECT	4-1/4"	4-1/4"	SLANT FIN - C-440	1-2
NOTES:																

. FURNISH WITH B&G ULTRASETTER PRESSURE INDEPENDENT CONTROL VALVE MODEL PVC-3/4H. COORDINATE ENCLOSURE FINISH, COLOR, ETC. WITH ARCHITECT.

. FURNISH WITH RA2000 THERMOSTATIC RADIATOR VALVE SELECTED TO MAINTAIN ROOM TEMPERATURE WITHIN  $\pm 1$ F°.

#### MAKE UP AIR UNITS (BASIS OF DESIGN: GREENHECK U.O.N.)

			EXTERNAL	MOTOR	DATA			HEA	ATING PERFORMANC	E			ELECTRICAL DATA		- DIMENSIONS		
TAG	LOCATION	CFM	STATIC PRESSURE	LOAD (HP)	SPEED (RPM)	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	TYPE	PRESSURE (IN. OF W.G.)	EAT (°F)	LAT (°F)	MCA (AMPS)	MOCP (AMPS)	V/PH	LXWXH (IN.)	MODEL NO.	NOTES
MAU-1	REACT ROOF	6,450	0.75	5.0	1396	378.6	348.3	NAT. GAS	4 - 10	10	60.3	2.3	35	208/3	156x44x45	DGX-P122-H22-D	1-7
MAU-2	REACT ROOF	1,200	0.75	1/2	2350	100	81	NAT. GAS	4 - 10	10	72.4	4.2	15	208/3	116x44x39	IGX-P109-H12-MF	1-7

. PROVIDE WITH AIRSIDE ECONOMIZER OPERATION CONTROLS.

2. PROVIDE WITH 16 INCHES HIGH ROOF CURB. 3. PROVIDE WITH FACTORY INSTALLED, LOCKABLE, NEMA 3R DISCONNECT.

5. PROVIDE WITH VFD AND INTERLOCK TO THE ASSOCIATED GARAGE EXHAUST

AND GARAGE CO/NO CONTROLS SYSTEM. 6. PROVIDE SUPPLY AIR FILTERS - 2" MERV 8.

4. SUPPLY FAN AND MOTOR VIBRATION ISOLATION - NEOPRENE. 7. PROVIDE FACTORY WIRED NON-FUSED DISCONNECT SWITCH.

#### CLOSED EXPANSION TANK SCHEDULE

TAG	LOCATION	CAPACITY (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	PRE-CHARGE (PSI)	WORKING PRESSURE (PSI)	DIMENSIONS DIAM X H (IN.)	WEIGHT (LBS)	MANUFACTURER AND MODEL	NOTES
ET-1	MECH RM 114	90.0	34	20	125	24 X 60	241	AMTROL AX-180V	1,2

NOTES:

1. PROVIDE A 4 INCHES HIGH CONCRETE PAD. REFER TO DETAILS SHEET FOR CONNECTIONS DETAILS.

AIR S	SEPARATO	R											
TAG	LOCATION	PIPE SIZE (IN.)	MAX PRESSURE (PSIG)	MAX TEMP (°F)	GPM	WEIGHT EMPTY/ FULL (LBS)	MANUFACTURER AND MODEL	NOTES					
AS-1	MECH RM 114	3.0	125	375	130	130/ 188	BELL & GOSSETT R-3F	1					
NOTES:	NOTES:  1 PROVIDE WITH STRAINER VIBRATION ISOLATORS AND FLANGES FOR INLET AND DISCHARGE CONNECTIONS												

## Rockland County

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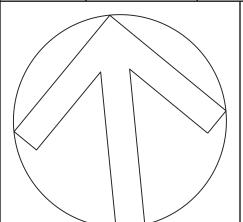
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ISSUE NO.5	09/03/2024	ISSUED FOR BID
ISSUE NO.4	07/10/2024	UPDATED 100% CONSTRUCTION DOCUMENT SUBMISSION
ISSUE NO.3	06/06/2024	100% CD SUBMISSION
ISSUE NO.2	03/29/2024	90% CD SUBMISSION
ISSUE NO.1	12/14/2023	60% SUBMISSION
ISSUE NO.	ISSUE DATE	DESCRIPTION



### **CAPITAL PROJECT #1521** SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL SCHEDULES I

PROJECT NO.:

25097 | SCALE:

DRAWING NO.:

M500.00

AS NOTED

. ALL CABINET UNIT HEATERS SHALL BE SEMI-RECESSED TYPE, AND FURNISHED WITH HIGH STATIC MOTOR, DISCONNECT SWITCH, AND RETURN AIR TEMPERATURE CONTROL. 2. PROVIDE WITH BOTTOM INTAKE AND TOP DISCHARGE.

UNIT	HEATERS	(BASIS	FOR	DESIGN:	RITTLING	U.O.N.)	

OCATION PRIDOR 108 TIBULE 100	CFM 200	MBH 8.0		DATA LAT (°F)	GPM	WATE	ER DATA	WPD (FT)	VOLTAGE	ELEC PHASE	TRICAL MOTOR FLA	HP	MANUFACTURER AND MODEL	NOTES
RIDOR 108	200			LAT (°F)	GPM	EWT (°F)	LWT (°F)	WPD (FT)	VOLTAGE	DUACE	MOTOD FLA	LID		NOTES
TIBULE 100		8.0						1110 (11)	VOLIAGE	FHASE	MOTOR FLA	HP		
		5.5	60	99	0.6	160	130	0.1	120	1	0.52	1/5	RS-200-03	1,2
	200	8.0	60	99	0.6	160	130	0.1	120	1	0.52	1/5	RS-200-03	1,2
TIBULE 109	200	8.0	60	99	0.6	160	130	0.1	120	1	0.52	1/5	RS-200-03	1,2
TIBULE 200	420	14.7	60	120	1.0	160	130	0.2	120	1	0.58	1/5	RS-200-04	1,2
AGE #1 300	3900	96.7	50	73	6.5	160	130	0.5	120	1	3.6	1/3	RH-258	1,2
AGE #1 300	3900	96.7	50	73	6.5	160	130	0.5	120	1	3.6	1/3	RH-258	1,2
AGE #1 300	3900	96.7	50	73	6.5	160	130	0.5	120	1	3.6	1/3	RH-258	1,2
AGE #1 300	3900	96.7	50	73	6.5	160	130	0.5	120	1	3.6	1/3	RH-258	1,2
AGE #1 300	3900	96.7	50	73	6.5	160	130	0.5	120	1	3.6	1/3	RH-258	1,2
AGE #2 301	5130	156.3	50	78	10.4	160	130	05	208	1	2.2	1/2	RH-340	1,2
ZANINE 302	1120	24.0	50	70	1.8	160	130	0.1	120	1	1.3	1/10	RH-63	1,2
ZANINE 302	1120	24.0	50	70	1.8	160	130	0.1	120	1	1.3	1/10	RH-63	REACT
ME77ANINE	3900	96.7	50	73	65	160	130	0.5	120	1	3.6	<i>Y</i> ₃	RH-258	1,2
INICZZANINC		l .	1											
AG AG AG Z	E #1 300 E #1 300 E #1 300 E #2 301 ANINE 302	SE #1 300 3900 SE #1 300 3900 SE #1 300 3900 SE #2 301 5130 ANINE 302 1120 ANINE 302 1120	SE #1 300 3900 96.7 SE #1 300 3900 96.7 SE #1 300 3900 96.7 SE #2 301 5130 156.3 ANINE 302 1120 24.0 ANINE 302 1120 24.0	SE #1 300 3900 96.7 50 SE #1 300 3900 96.7 50 SE #1 300 3900 96.7 50 SE #2 301 5130 156.3 50 ANINE 302 1120 24.0 50 ANINE 302 1120 24.0 50	SE #1 300 3900 96.7 50 73 SE #1 300 3900 96.7 50 73 SE #1 300 3900 96.7 50 73 SE #2 301 5130 156.3 50 78 ANINE 302 1120 24.0 50 70 ANINE 302 1120 24.0 50 70	SE #1 300 3900 96.7 50 73 6.5 SE #1 300 3900 96.7 50 73 6.5 SE #1 300 3900 96.7 50 73 6.5 SE #2 301 5130 156.3 50 78 10.4 ANINE 302 1120 24.0 50 70 1.8 ANINE 302 1120 24.0 50 70 1.8	SE #1 300     3900     96.7     50     73     6.5     160       SE #1 300     3900     96.7     50     73     6.5     160       SE #1 300     3900     96.7     50     73     6.5     160       SE #2 301     5130     156.3     50     78     10.4     160       ANINE 302     1120     24.0     50     70     1.8     160       ANINE 302     1120     24.0     50     70     1.8     160	SE #1 300     3900     96.7     50     73     6.5     160     130       SE #1 300     3900     96.7     50     73     6.5     160     130       SE #1 300     3900     96.7     50     73     6.5     160     130       SE #2 301     5130     156.3     50     78     10.4     160     130       ANINE 302     1120     24.0     50     70     1.8     160     130       ANINE 302     1120     24.0     50     70     1.8     160     130	SE #1 300     3900     96.7     50     73     6.5     160     130     0.5       SE #1 300     3900     96.7     50     73     6.5     160     130     0.5       SE #1 300     3900     96.7     50     73     6.5     160     130     0.5       SE #2 301     5130     156.3     50     78     10.4     160     130     05       ANINE 302     1120     24.0     50     70     1.8     160     130     0.1       ANINE 302     1120     24.0     50     70     1.8     160     130     0.1	SE #1 300       3900       96.7       50       73       6.5       160       130       0.5       120         SE #1 300       3900       96.7       50       73       6.5       160       130       0.5       120         SE #1 300       3900       96.7       50       73       6.5       160       130       0.5       120         SE #2 301       5130       156.3       50       78       10.4       160       130       05       208         ANINE 302       1120       24.0       50       70       1.8       160       130       0.1       120         ANINE 302       1120       24.0       50       70       1.8       160       130       0.1       120	SE #1 300     3900     96.7     50     73     6.5     160     130     0.5     120     1       SE #1 300     3900     96.7     50     73     6.5     160     130     0.5     120     1       SE #1 300     3900     96.7     50     73     6.5     160     130     0.5     120     1       SE #2 301     5130     156.3     50     78     10.4     160     130     05     208     1       ANINE 302     1120     24.0     50     70     1.8     160     130     0.1     120     1       ANINE 302     1120     24.0     50     70     1.8     160     130     0.1     120     1	SE #1 300     3900     96.7     50     73     6.5     160     130     0.5     120     1     3.6       SE #1 300     3900     96.7     50     73     6.5     160     130     0.5     120     1     3.6       SE #1 300     3900     96.7     50     73     6.5     160     130     0.5     120     1     3.6       SE #2 301     5130     156.3     50     78     10.4     160     130     05     208     1     2.2       ANINE 302     1120     24.0     50     70     1.8     160     130     0.1     120     1     1.3       ANINE 302     1120     24.0     50     70     1.8     160     130     0.1     120     1     1.3	SE #1 300     3900     96.7     50     73     6.5     160     130     0.5     120     1     3.6     1/3       SE #1 300     3900     96.7     50     73     6.5     160     130     0.5     120     1     3.6     1/3       SE #1 300     3900     96.7     50     73     6.5     160     130     0.5     120     1     3.6     1/3       SE #2 301     5130     156.3     50     78     10.4     160     130     05     208     1     2.2     1/2       ANINE 302     1120     24.0     50     70     1.8     160     130     0.1     120     1     1.3     1.3       ANINE 302     1120     24.0     50     70     1.8     160     130     0.1     120     1     1.3     1.3	EE #1 300       3900       96.7       50       73       6.5       160       130       0.5       120       1       3.6       1/3       RH-258         EE #1 300       3900       96.7       50       73       6.5       160       130       0.5       120       1       3.6       1/3       RH-258         EE #1 300       3900       96.7       50       73       6.5       160       130       0.5       120       1       3.6       1/3       RH-258         EE #2 301       5130       156.3       50       78       10.4       160       130       05       208       1       2.2       1/2       RH-340         ANINE 302       1120       24.0       50       70       1.8       160       130       0.1       120       1       1.3       1/6       RH-63         ANINE 302       1120       24.0       50       70       1.8       160       130       0.1       120       1       1.3       1/6       RH-63

ELEC	ELECTRIC BASEBOARD HEATER SCHEDULE													
		CAPA	ACITY		ELECTRICA	AL DATA								
TAG I	LOCATION	WATTS PER LINEAR FOOT	TOTAL CAPACITY (KW)	VOLTAGE	PHASE	MAX RATED AMPS	MANUFACTURER AND MODEL	NOTES						
EFTR-1	REACT WOMEN'S RM 311	250.0	1.0	208	1	4.8	BERKO BKOC2504W	1						
NOTES:  1. PROVIDE WITH DISCONNECT SWITCH AND INTEGRAL THERMOSTAT.														

#### DEHUMIDIFIERS

I. ALL UNIT HEATERS SHALL BE PROVIDED WITH VIBRATION ISOLATORS, AND FURNISHED WITH HIGH SPEED FAN, AND DISCONNECT SWITCH.

			CAP	TOTAL		ACE ITIONS		ELEC	ΓRICAL		MANUICACTURED AND	
	LOCATION	SERVICE	(LBS/HR)	AIRFLOW (CFM)	DEG F	%RH	VOLTAGE	PHASE	FLA (AMPS)	WEIGHT (LBS)	MANUFACTURER AND MODEL	NOTES
DH-1	RM 112	RM 112	3.0	200	75	50	120	1	5.8	56	DRISTEEM - RL-3	1,2,3,4
DH-2	RM 112	RM 112	3.0	200	75	50	120	1	5.8	56	DRISTEEM - RL-3	1,2,3,4

PROVIDE WITH DISCONNECT SWITCH, 8 FT LONG POWER CORD AND MERV-11 AIR FILTER.

. PROVIDE WITH BACNET HUMIDISTAT CONTROLLER (TO BE MOUNTED REMOTELY IN WALL).

7. DOOR INTERLOCK DISCONNECT SWITCH

10. ELECTRONIC AIRFLOW SENSORS

9. FULL MODULATING COIL WITH SCR CONTROL

8. SLIP-IN DUCT HEATER

12. SOLID STATE RELAY

11.NEPTRONIC CONTROLLER

13. CONTROL PANEL NEMA 1

3. PROVIDE WITH VIBRATION ISOLATORS, DUCT KIT AND HANGING KIT. 4. PROVIDE BACNET INTERFACE WITH BASE BUILDINGS BMS. BACNET INTERFACE SHALL ALLOW SETPOINT ADJUSTMENT AND REMOTE MONITORING.

#### ELECTRIC DUCT HEATER SCHEDULE

TAC	LOCATION			AIR DATA			ELECT	RICAL CHARACTE	RISTICS		COIL SIZE		MANUFACTURER AND MODEL	NOTE
TAG	LOCATION	CFM	ВТИН	EAT (°F)	LAT (°F)	MAX. PD (IN)	CAPACITY (KW)	V/PH	AMPS	STEPS	HEIGHT (IN)	WIDTH (IN)	MANUFACTORER AND MODEL	INOTE
EDH-1	CELLAR MER	450	8,533	60	64	_	2.5	208/ 3	22.21	_	14	6	NEPTRONIC MODEL DF CIOOH	1-2

PROVIDE WITH THE FOLLOWING FEATURES/OPTIONS: I. MAGNETIC CONTACTOR FULL BREAK

2. UNIT HEATERS TO BE VERTICAL WITH HORIZONTAL DISCHARGE.

. AUTOMATIC THERMAL CUT-OUT

3. SECONDARY PROTECTION

4. TRANSFORMER WITH FUSE

5. MANUAL THERMAL CUTOUT

6. PDS FIXED, C/W PITOT TUBE

ELECTR	IC CABINET H	HEATER S	SCHEDUL	.E										
TAG	LOCATION			AIR DATA			ELECTF	RICAL CHARACTE	RISTICS		COIL SIZE		MANUFACTURER AND MODEL	NOTES
TAG	LOCATION	CFM	ВТИН	EAT (°F)	LAT (°F)	MAX. PD (IN)	CAPACITY (KW)	V/PH	AMPS	STEPS	HEIGHT (IN)	WIDTH (IN)	MANOFACTORER AND MODEL	INOTES
ECH-L-1	CELLAR STAIRS	245	6,824	60	8	_	2	208/ 1	9.6	_	20	15	QMARK MODEL CWH3408F	1-2
MOTEC.		•	•	•		•	•	•	•	•	•		•	

PROVIDE WITH THE FOLLOWING FEATURES/OPTIONS: . SEMI-RECESSED FRAME

2. ON-OFF SWITCH

FRONT COVER

FAN SCHEDULE

TAG	LOCATION	AREA SERVED	CFM	ESP	EAN DOM	BHP	HP	TYPE	DRIVE	STARTER		ELECTRI	CAL DATA		WEIGHT	MANUFACTURER AND	NOTES
IAG	LOCATION	AREA SERVED	CFIVI	(IN. WC)	TAN KPM			1176	DRIVE	SIARIER	VOLTAGE	PHASE	FLA (AMPS)	MOP (AMPS)	WEIGHT	MODEL	NOTES
EF-L-1	CELLAR	WMEN'S LOCKERS 118	50	0.25	501	0.01	0.01	INLINE	DIRECT	_	115	1	0.5	15	23	GREENHECK CSP-A20	1,3
EF-1	ROOF	MEN'S LOCKERS 211	300	0.35	1490	0.05	1/10	ROOF EXH.	DIRECT	YES	115	1	1.4	15	38	GREENHECK G-080-VG	1,3,4
EF-2	ROOF	WMEN'S LOCKERS RM 209	150	0.38	1550	0.02	1/30	ROOF EXH.	DIRECT	_	115	1	0.3	15	26	GREENHECK CUE-070-D	1,3,4
GEF-1	GARAGE MEZZANINE	GARAGE 31 300	6,450	0.7	905	1.29	3	INLINE	DIRECT	VFD	208	3	4.7	15	205	GREENHECK SQ-22-M2-VG	2,3,5
GEF-2	GARAGE #2 301	GARAGE #2 301	300	0.4	962	0.07	51 W	INLINE	DIRECT	_	115	1	3.0	15	49	GREENHECK CSP-A1050-VG	2,3,5
GEF-3	REACT UNIT 310	REACT UNIT 310	1,300	0.7	1420	0.28	1/2	INLINE	DIRECT	VFD	115	1	8.2	15	48	GREENHECK G-120-VG	2,3,6
TX-1	ROOF	ADMIN BLDG BTHRMS	600	0.5	1244	0.1	1/4	ROOF EXH.	DIRECT	YES	115	1	4.0	15	51	GREENHECK G-099-VG	1,4
TX-R-1	CEILING	REACT BTHRMS 310 &	150	0.6	1329	0.05	0.05	INLINE		-	115	1	1.5	15	24	GREENHECK CSP-A390-VG	1,3

I. PROVIDE EC MOTOR WITH MOUNTED POTENTIOMETER DIAL PROVIDE INVERTER DUTY RATED MOTOR SUITABLE FOR USE WITH VFD.

PROVIDE FACTORY MOUNTED DISCONNECT SWITCH AND VIBRATION ISOLATORS.

PROVIDE 12 INCHES HIGH ROOF CURB FOR ROOF MOUNTED FANS. . INTERLOCK TO CO / NO SENSORS, MOTORIZED DAMPERS AND MAKE UP AIR UNIT SERVING THE SPACE.

5. INTERLOCK TO CO/ NO SENSORS AND ASSOCIATED MOTORIZED DAMPERS.

INDOOF	R VRF FAI	N COIL UNIT	SCHEDULE	-													
		NO. 41. 10. 00. 11.10	NOMINAL			FCD	CC	OOLING DA	ATA HEATING		G DATA		ELECTRICAL DATA				
TAG	SERVICE	NOMINAL COOLING CAPACITY (BTU/H)	HEATINGCAPACITY	CFM	FRESH AIR CFM	ESP (IN. WC)	E.	AT	LAT	EAT	LAT	VOLTAGE	PHASE	MCV (VMDZ)	MOP (AMPS)	MANUFACTURER AND     MODEL	NOTES
		, ,	(BTU/H)					WB (°F)	DB (°F)	DB (°F)	DB (°F)	VOLTAGE	TTIASE	INICA (AIVII 3)	MOI (AMI 3)		
OAC-LL-1	CELLAR OA	30,933	25,900	450	450	0.6	90	74	55	10	65	208	1	3.3	15	TRANE TPEFY0360A14	1,2,3,4,5
AC-G-1	MAIN GARAGE LOCKER RMS	36,000	40,000	1271	1200	0.6	80	74	55	60	85	208	1	4.25	15	TRANE TPEFYP036MA144A	1,2,3,4,5
AC-LL-1	BCI 119	15,000	17,000	353	_	_	75	67	55	75	85	208	1	0.24	15	TRANE TPKFYP015LM140A	3,4
AC-LL-2	BCI CLERICAL 103	15,000	17,000	353	_	_	75	67	55	75	85	208	1	0.24	15	TRANE TPKFYP015LM140A	3,4
AC-LL-3	MECH RM 114	30,000	34,000	875	75	0.6	80	74	55	65	85	280	1	4.13	15	TRANE TPVFYP030AM141A	1,2,3,4,5
AC-LL-4	BREAK RM 115	12,000	13,500	297	_	_	75	67	55	75	85	208	1	0.24	15	TRANE TPKFYP012LM140A	3,4
AC-LL-5	MECH RM 114	12,000	13,500	400	375	0.6	80	74	55	60	85	208	1	3.0	15	TRANE TPVFYP012AM141A	1,2,3,4,5
AC-IT-1	IT RM	12,000	13,500	297	_	_	75	67	55	75	85	208	1	0.24	15	TRANE TPKFYP012LM140A	3,4
AC-IT-2	IT RM	12,000	13,500	297	_	_	75	67	55	75	85	208	1	0.24	15	TRANE TPKFYP012LM140A	3,4

PROVIDE THE FOLLOWING FOR ALL UNITS U.O.N.:

. DRAIN PAN WITH LEAK DETECTOR. . VIBRATION ISOLATORS AS RECOMMENDED BY MANUFACTURER.

3. DISCONNECT SWITCH.

4. PROGRAMMABLE THERMOSTAT MITSUBISHI MODEL PAR-CTO1MAU-SB.

6. CENTRAL REMOTE CONTROLLER FOR MODBUS/ BACNET CONNECTION CAPABILITIES MITSUBISHI MODEL PAR-40MAAU.

#### OUTDOOR VRF HEAT PUMP SCHEDULE (BASIS OF DESIGN: TRANE/MITSUBISHI, U.O.N.)

0 0	30011 11		01111	20022 (5		J _ O . O		., .,	ob.o, o	J )					
TAG	LOCATION	SERVICE	1	NOMINAL COOLING	1 (1/1/1)	IEER	IEER EER (IN			ELECTRICAL	_ DATA		WEIGHT	MODEL NO.	NOTES
TAG	LUCATION	SERVICE	CAPACITY (BTU/H)	CAPACITY (BTU/H)	COP	ILLIN	EER	(IN. WC)	VOLTAGE	PHASE	FLA (AMPS)	MOP (AMPS)	WEIGHT	MODEL NO.	140123
CU-1	SEE PLANS	LOWER LEVEL AC UNITS	108,000	96,000	4.04	26.7	14.1	-	208	3	45	45	622	TUHYE0963AN40AN	1,2,3,4
CU-2	SEE PLANS	OAC-LL-1	80,000	72,000	4.05	25.3	13.5	-	208	3	23	35	512	TUHYE0723AN40AN	1,2,3,4
CU-G-	1 SEE PLANS	AC-G-1	41,000	36,000	2.3	_	12	-	208	1	30	40	271	NTXMS36A142BA	1,3,4,5
CU4	SEE PLANS	IT ROOM	41,000	36,000	2.3	_	12	-	208	1	30	40	271	NTXMS36A142BA	1,3,4,6

NOTES:
PROVIDE THE FOLLOWING FOR THE UNITS:

. DISCONNECT SWITCH.

2. 4 INCHES HIGH CONCRETE PAD. 3. INTERLOCKS TO ASSOCIATED AC UNITS.

4. DISCHARGE SNOW HOODS AND/ OR SNOW/ HAIL GUARDS AS APPLICABLE.

6. PROVIDE WALL BRACKET TO MOUNT UNIT.

|--|

UNI	JULL	JULL													
			PE	ERFORMANC	CE DATA	МОТО	OR DATA		CONSTRU	CTION DATA		ELECTRIC	CAL DATA	MANUICACTUDED AND	
TAG	SERVICE	FLUID	GPM	TDH(FT.)	RPM	MHP	STARTER	TYPE	SUCT/DISCH SIZES (IN.)	MAX TEMP. (°F)	WEIGHT (LBS)	VOLTAGE	PHASE	MANUFACTURER AND MODEL	NOTES
P-1	MECHANICAL HEATING	HOT WATER	130	45	3452	2	VFD	INLINE	2	230	104	208	3	GRUNDFOSS DOL-75-MS-35-2VF D-15-1	1-6
P-2	MECHANICAL HEATING	HOT WATER	130	45	3452	2	VFD	INLINE	2	231	72	209	3	GRUNDFOSS DOL-75-MS-35-2VF D-15-1	1-6
MATEC.															

PROVIDE CAST IRON PUMP BODY

. PROVIDE STAINLESS STEEL IMPELLER . PROVIDE STAINLESS STEEL SHAFT

. PROVIDE CLASS F MOTOR INSULATION

. FURNISH EACH PUMP WITH FUNCTIONAL DEVICES RELAY MODEL #RIB2401D* . PROVIDE CONCRETE PAD FOR VIBRATION ISOLATION.

## Rockland County

Robert H. Gruffi, P.E., LEED AP Director Facilities Management

Dr. Robert L. Yeager Health Center 50 Sanatorium Road Building A, 2nd Floor Pomona, NY 10970



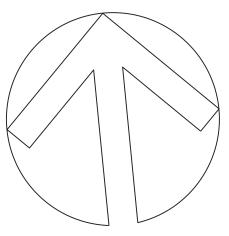
**333 Westchester Avenue** 

White Plains, New York 10604 914-741-1115



445 HAMILTON AVE, SUITE 608 White Plains, NY 10601 (914) 332-7658

ISSUE NO.5	09/03/2024	ISSUED FOR BID
ISSUE NO.4	07/10/2024	UPDATED 100% CONSTRUCTION DOCUMENT SUBMISSION
ISSUE NO.3	06/06/2024	100% CD SUBMISSION
ISSUE NO.2	03/29/2024	90% CD SUBMISSION
ISSUE NO.1	12/14/2023	60% SUBMISSION
ISSUE NO.	ISSUE DATE	DESCRIPTION



### **CAPITAL PROJECT #1521** SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL SCHEDULES II

PROJECT NO.:

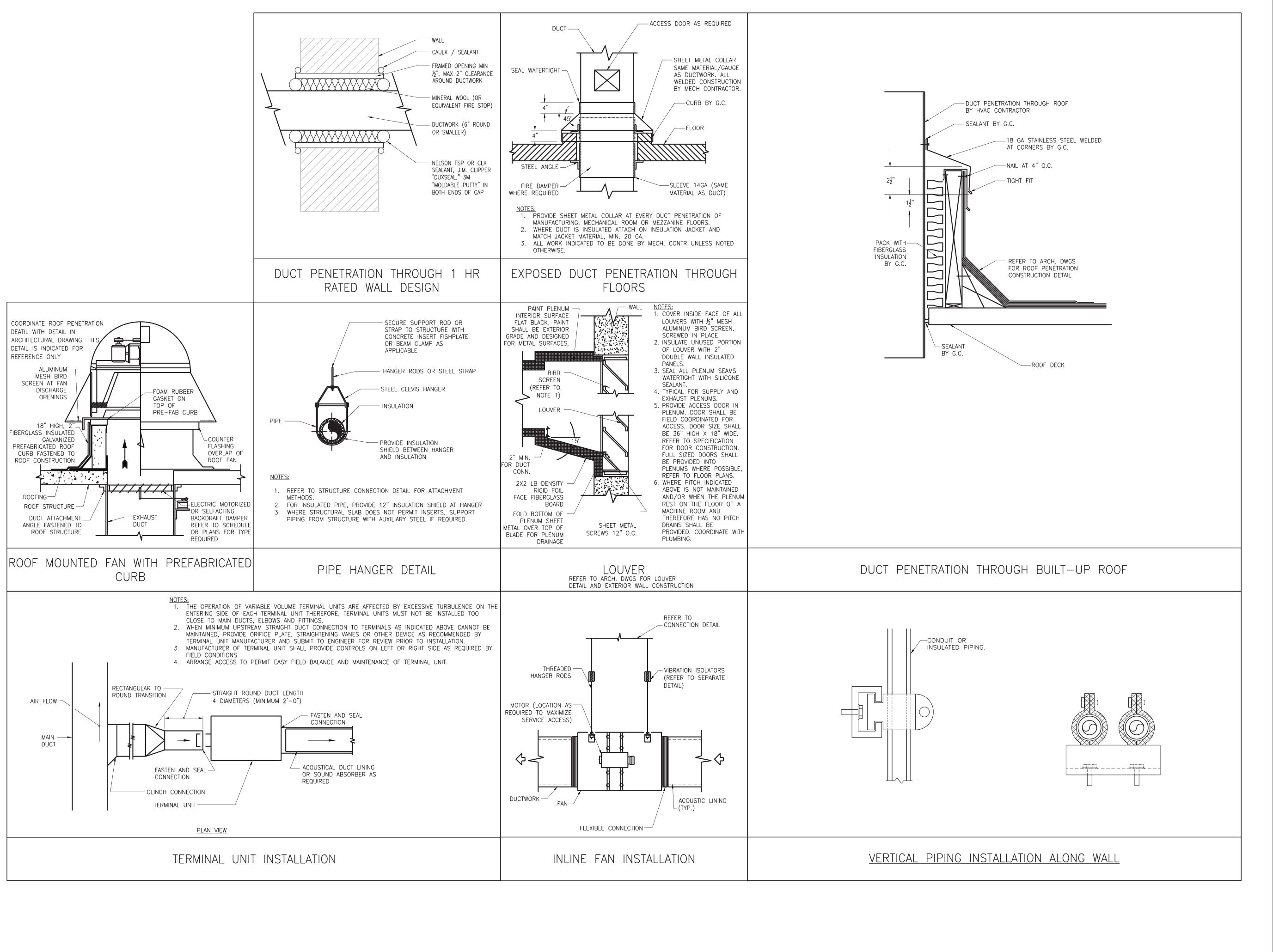
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Robert H. Gruffi, P.E., LEED AP Director Facilities Management

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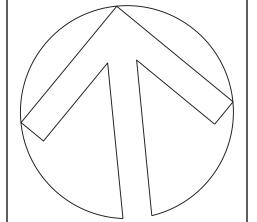
**Associates Architects D.P.C.** 

333 Westchester Avenue White Plains, New York 10604 914-741-1115



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## CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL DETAI LS I

PROJECT NO.:

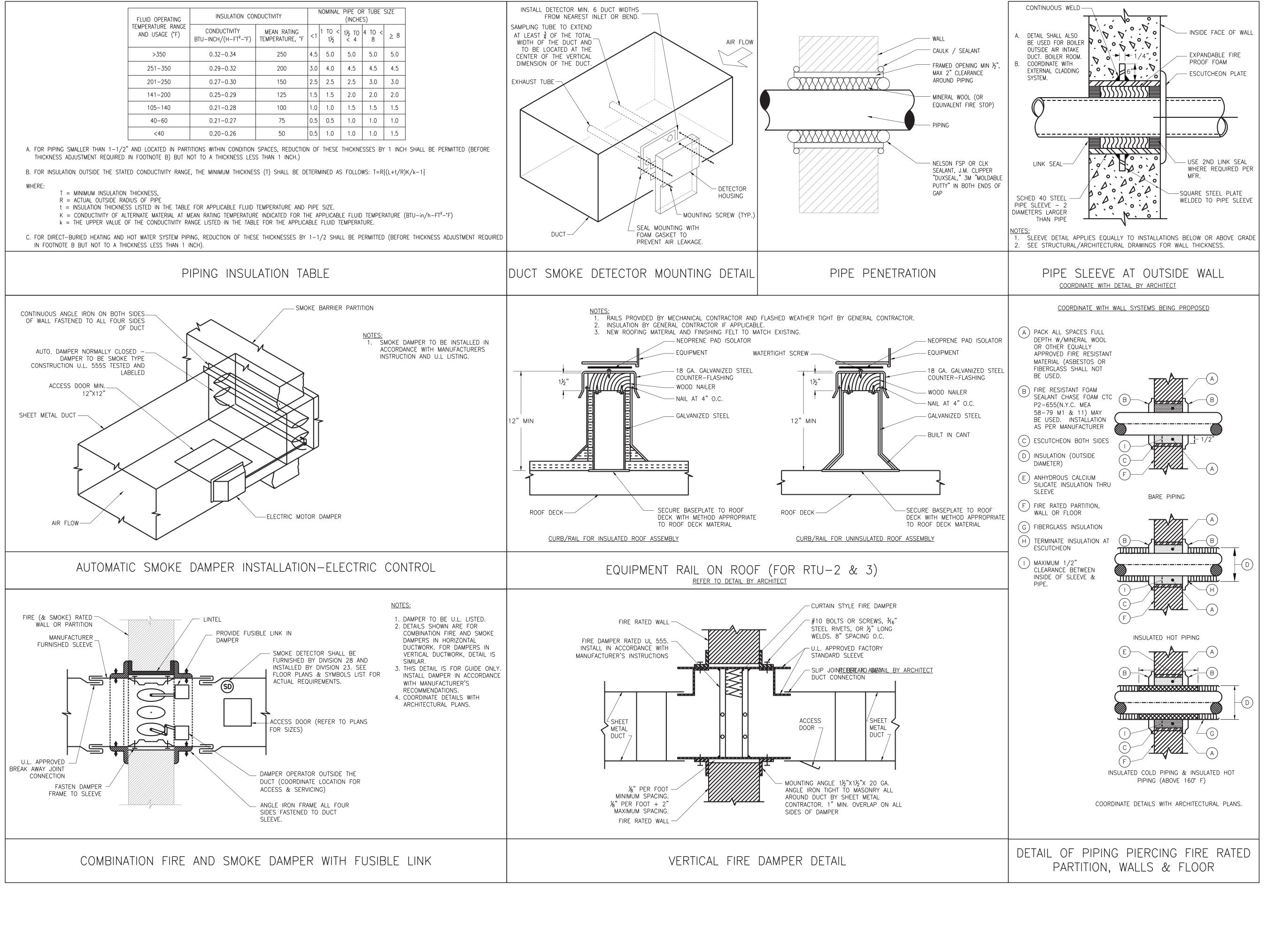
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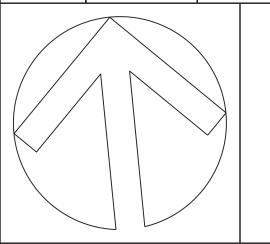


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## CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL DETAILS II

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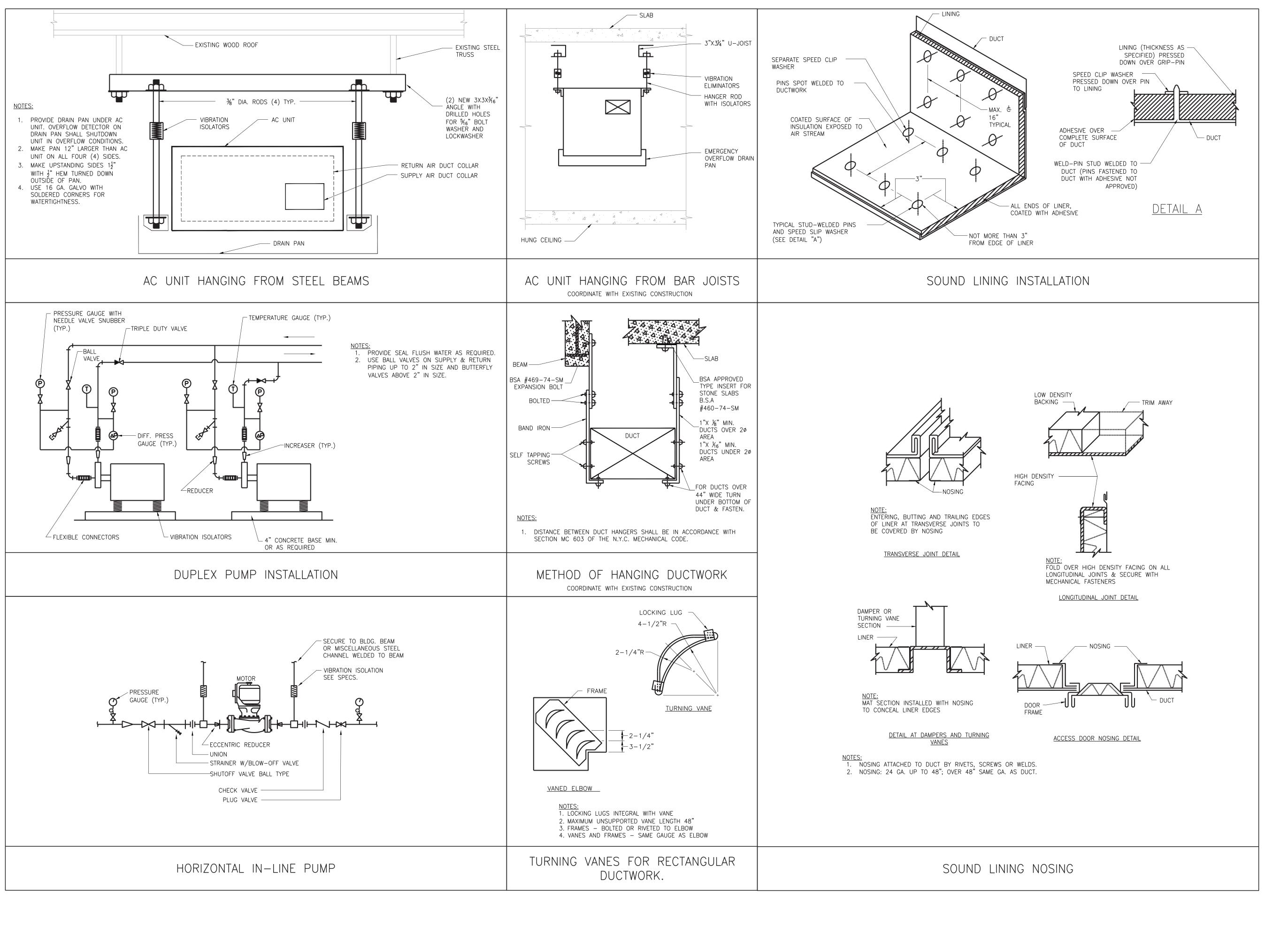
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SCALE: AS NOTED

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one eighth inch = one foot

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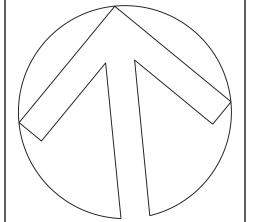
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## CAPITAL PROJECT #1521 SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL DETAILS III

PROJECT NO.:

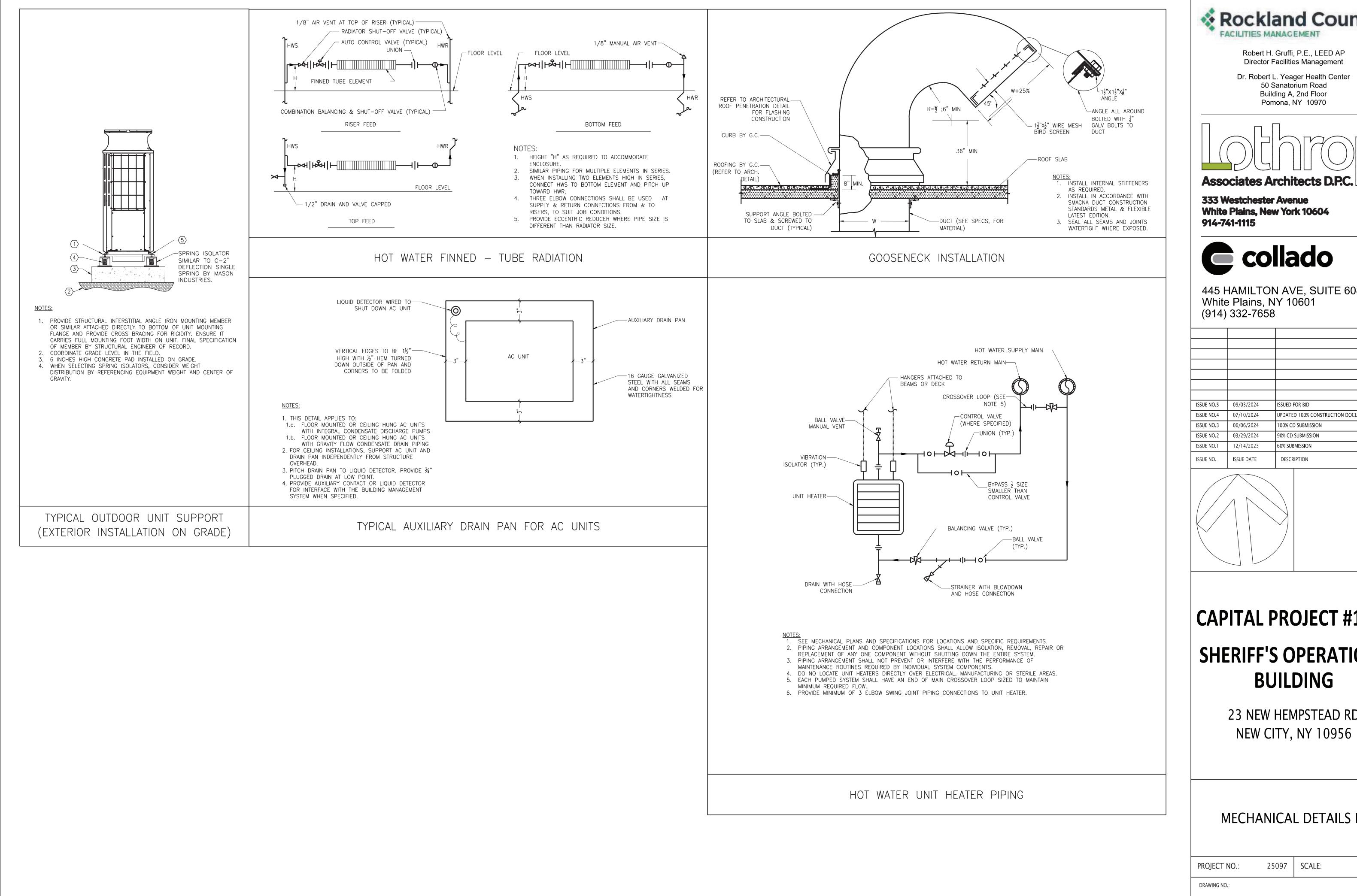
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Rockland County **FACILITIES MANAGEMENT** 

> Robert H. Gruffi, P.E., LEED AP Director Facilities Management

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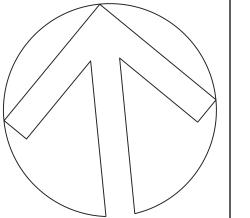


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#### **CAPITAL PROJECT #1521** SHERIFF'S OPERATIONS BUILDING

23 NEW HEMPSTEAD RD NEW CITY, NY 10956

MECHANICAL DETAILS IV

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