

# ERIE COUNTY HEALTH LAB BUILDING 17 RTU REPLACEMENT

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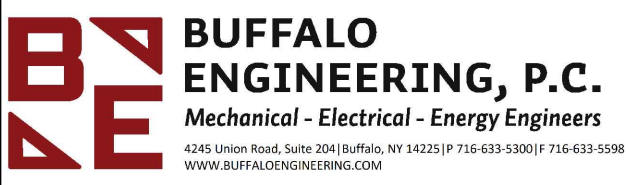
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**ERIE COUNTY  
HEALTH LAB  
BUILDING 17  
RTU REPLACEMENT**

503 KENSINGTON AVE  
BUFFALO, NY 14214  
EC PROJECT NO. 2024-885-01



BE PROJECT #225034

CONSULTANTS



95 Perry Street, Suite 300  
Buffalo, NY 14203

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**SHEET TITLE**  
**COVER SHEET**

Date: 4/28/2026	DWG. No.
Scale: AS NOTED	G001
Drawn By: NS/JEH	
Checked By:	

## PROJECT LOCATION:

ERIE COUNTY HEALTH LAB  
BUILDING 17  
503 KENSINGTON AVE  
BUFFALO, NY 14214



PROJECT LOCATION

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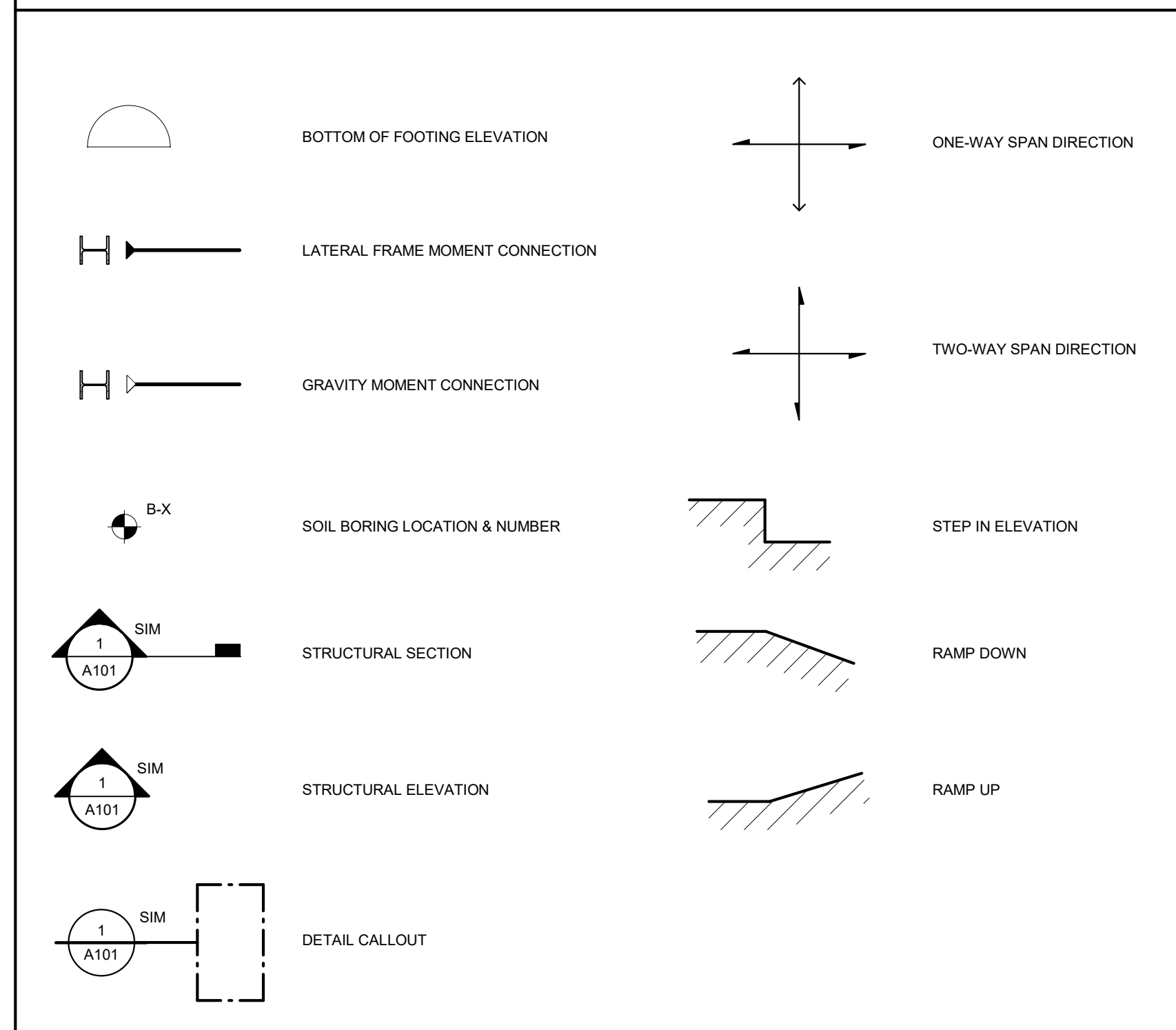


REGISTRATION EXPIRES:  
04/30/28



EXPIRATION DATE  
8-31-2026

## STRUCTURAL SYMBOLS LEGEND



## STRUCTURAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ADJ	ADJACENT	LLH	LONG LEG HORIZONTAL
ADDL	ADDITIONAL	LLV	LONG LEG VERTICAL
ALT	ALTERNATE	LP	LOW POINT
AB	ANCHOR BOLT	LW	LIGHT WEIGHT
ARCH	ARCHITECT	MO	MASONRY OPENING
BRG	BEARING	MAX	MAXIMUM
CLR	CLEAR	MIN	MINIMUM
CMU	CONCRETE MASONRY UNIT	MP	MASONRY PIER
CONST JT	CONSTRUCTION JOINT	NIC	NOT IN CONTRACT
CJ	CONTROL JOINT	NTS	NOT TO SCALE
CU YD	CUBIC YARD	NS	NEAR SIDE
DIA	DIAMETER	OC	ON CENTER
DIM	DIMENSION	OF	OUTSIDE FACE
DWG	DRAWING	P	PIER (CONCRETE)
EF	EACH FACE	PL	PLATE
EL	ELEVATION	R	RADIUS
EOD	EDGE OF DECK	RD	ROOF DRAIN
EOS	EDGE OF SLAB	RO	ROUGH OPENING
EQ	EQUAL	SC	SLIP CRITICAL
ES	EACH SIDE	SIM	SIMILAR
EW	EACH WAY	SOG	SLAB ON GRADE
EXIST	EXISTING	STD	STANDARD
EXP	EXPANSION	SYMM	SYMMETRICAL
FS	FAR SIDE	T&B	TOP & BOTTOM
FTG	FOOTING	TOL	TOP OF LEDGE
GA	GUAGE	TOS	TOP OF STEEL
GALV	GALVANIZED	TOW	TOP OF WALL
GB	GRADE BEAM	TRANS	TRANSVERSE
GC	GENERAL CONTRACTOR	TYP	TYPICAL
HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
HP	HIGH POINT	VIF	VERIFY IN FIELD
HSS	HOLLOW STRUCTURAL SECTION	VERT	VERTICAL
IF	INSIDE FACE	WP	WORK POINT
JT	JOINT	WD	WOOD
L	ANGLE	WWF	WELDED WIRE FABRIC

## GENERAL NOTES

- THE WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED IN ACCORDANCE WITH THE STRUCTURAL REQUIREMENTS OF THE "2025 BUILDING CODE OF NEW YORK STATE."
- THE STRUCTURAL COMPONENTS HAVE BEEN DESIGNED FOR THE LOADS INDICATED IN THE STRUCTURAL DESIGN CRITERIA.
- CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND THE FABRICATION OF ANY MATERIALS. NOTIFY ENGINEER OF ANY EXISTING CONDITION DISCREPANCIES.
- THIS STRUCTURE HAS BEEN DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION OF THE BUILDING HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. THIS RESPONSIBILITY EXTENDS TO ALL RELATED ASPECTS OF THE CONSTRUCTION ACTIVITY INCLUDING, BUT NOT LIMITED TO, ERECTION METHODS, ERECTION SEQUENCE, TEMPORARY BRACING, SHORING, FORMS, USE OF EQUIPMENT AND SIMILAR CONSTRUCTION PROCEDURES. LACK OF COMMENT ON THE PART OF THE ENGINEER WITH REGARD TO CONSTRUCTION PROCEDURES IS NOT TO BE INTERPRETED AS APPROVAL OF THOSE PROCEDURES.
- THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, PROVIDING AND INSTALLING ALL TEMPORARY SHORING THAT IS REQUIRED DURING CONSTRUCTION.
- JOB SITE SAFETY AND CONSTRUCTION MEANS AND METHODS ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. REVIEW OF THE CONSTRUCTION BY THE ENGINEER IS FOR CONFORMANCE WITH THE DESIGN ASPECTS ONLY, NOT TO REVIEW THE CONTRACTOR'S PROVISIONS FOR JOB SITE SAFETY AND CONSTRUCTION PROCEDURES. LACK OF COMMENT BY THE ENGINEER IS NOT TO BE INTERPRETED AS APPROVAL.
- LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO REQUIREMENTS OF OTHER NON-STRUCTURAL DISCIPLINES ARE SHOWN FOR REFERENCE ONLY. THESE PLANS DO NOT SHOW THE FULL SCOPE OF OPENINGS IN ROOFS, FLOORS AND WALLS. FOR SIZE AND LOCATION OF ALL OPENINGS SEE ARCHITECTURAL AND MEP DRAWINGS. THE CONTRACTOR SHALL OBTAIN FROM THE MEP AND OTHER TRADES THE FINAL APPROVED SIZE AND LOCATION OF ALL OPENINGS AND WORK TO BE PROVIDED FOR THEIR TRADE IN ROOFS, FLOORS AND WALLS WHETHER SHOWN OR NOT ON STRUCTURAL DRAWINGS. EXCESS COST RELATED TO VARIATION IN REQUIREMENTS OR EQUIPMENT ARE NOT TO BE BORNE BY THE OWNER.
- IF FAULTY CONSTRUCTION PROCEDURES OR MATERIAL RESULT IN DEFECTIVE WORK THAT REQUIRES ADDITIONAL ENGINEERING TIME TO DEVISE CORRECTIVE MEASURES, PROFESSIONAL FEES MAY BE CHARGED TO THE CONTRACTOR AT THE STANDARD HOURLY RATE OF ADDITIONAL SERVICES. SUCH FEES MAY BE WITHHELD FROM THE GENERAL CONTRACTOR'S PAYMENT.
- ONE BLACKLINE PRINT OF ALL ERECTION AND DETAIL SHOP DRAWINGS INDICATING THE FABRICATOR, MANUFACTURER, FINISH, LAYOUT AND ALL ACCESSORIES MUST BE SUBMITTED TO AND BE CHECKED BY THE CONTRACTOR AND SUBCONTRACTOR AND BEAR THE CHECKER'S INITIALS BEFORE SUBMISSION TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
- THESE DRAWINGS ARE SUPPLEMENTED BY A DETAILED TECHNICAL SPECIFICATION. THE NOTES SHOWN UNDER CERTAIN CATEGORIES OF WORK ARE INTENDED TO SUMMARIZE BASIC REQUIREMENTS.
- WORK SHOWN AS "TYPICAL DETAILS" APPLY THROUGHOUT THE PROJECT AS REQUIRED. WORK SHOWN AS "SECTIONS" SHALL BE CONSIDERED TO APPLY FOR THE SAME AND SIMILAR CONDITIONS IN THE BUILDING.
- SOME DETAILS OF THE WORK ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. CAREFUL REVIEW AND STUDY OF THE DETAILS ARE NECESSARY BEFORE THE FULL SCOPE OF THE WORK CAN BE COMPREHENDED.
- DO NOT SCALE THE DRAWINGS.

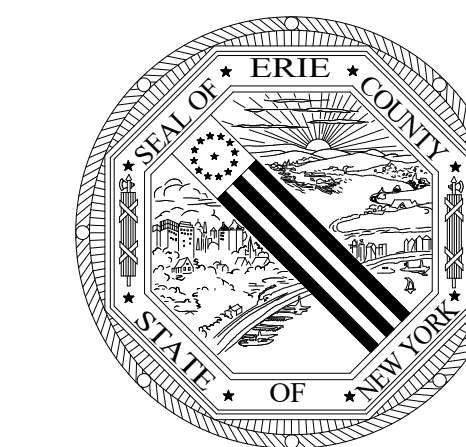
## SPECIAL INSPECTION NOTES

- REFER TO DIVISION 01 OF THE PROJECT SPECIFICATIONS FOR THE SCHEDULE OF SPECIAL INSPECTIONS AND ADDITIONAL SPECIAL INSPECTIONS REQUIREMENTS.
- MATERIAL SPECIFICATION SECTIONS, THE SCHEDULE OF SPECIAL INSPECTIONS AND ALL ASSOCIATED NOTES DESCRIBE THE STRUCTURAL TESTING AND INSPECTIONS REQUIRED FOR THE PROJECT. COLLECTIVELY THEY SHALL BE CONSIDERED THE STATEMENT OF SPECIAL INSPECTIONS.
- THE OWNER SHALL ENGAGE THE SERVICES OF A QUALIFIED SPECIAL INSPECTOR FOR THIS PROJECT. SIRACUSE ENGINEERS, PC IS NOT THE SPECIAL INSPECTOR FOR THIS PROJECT UNLESS ENGAGED BY THE OWNER UNDER A SEPARATE CONTRACT.
- THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING PRIOR TO THE START OF CONSTRUCTION TO DISCUSS THE REQUIRED TESTING AND INSPECTION PROCEDURES FOR THIS PROJECT. THE MEETING SHALL ALSO DISCUSS NOTIFICATION AND REPORTING PROCEDURES.
- THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR AND TESTING AGENCY AT LEAST 24 HOURS IN ADVANCE OF A REQUIRED INSPECTION OR TEST. UNINSPECTED WORK THAT REQUIRES INSPECTION OR TESTING MAY BE REJECTED SOLELY ON THAT BASIS.
- THE SPECIAL INSPECTOR AND/OR TESTING AGENCY SHALL IMMEDIATELY NOTIFY THE CONTRACTOR OF DEFICIENT WORK THAT REQUIRES CORRECTIVE ACTION. INSPECTION REPORTS FOR THIS WORK SHALL NOTE WHEN AND HOW THE DEFICIENT WORK WAS CORRECTED. WORK IMMEDIATELY CORRECTED WITH SPECIAL INSPECTOR OR TESTING AGENCY PRESENT AND RE-INSPECTED OR TESTED NEED NOT BE IDENTIFIED AS NON-CONFORMING WORK.
- DEFICIENT WORK, NOT IMMEDIATELY CORRECTED WHILE SPECIAL INSPECTOR OR TESTING AGENCY ARE ON SITE, SHALL BE REPORTED TO THE ENGINEER OF RECORD AND CODE ENFORCEMENT OFFICIAL WITHIN 24 HOURS. A REPORT OF NON-COMFORMANCE SHALL BE ISSUED FOR THIS WORK.
- THE CONTRACTOR SHALL COOPERATE WITH THE SPECIAL INSPECTOR AND TESTING AGENCY INCLUDING SAFE ACCESS TO THE WORK AREAS SO THAT TESTING AND INSPECTIONS CAN BE PERFORMED IN A TIMELY MANNER OR UNDUE DELAY TO THE PROJECT.
- THE SPECIAL INSPECTIONS REQUIREMENTS OF THIS PROJECT IN NO WAY RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO PERFORM WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OR FROM IMPLEMENTING AN EFFECTIVE QUALITY CONTROL PROGRAM.
- EACH TESTING AGENCY SHALL SUBMIT, STAMP AND SIGN AN AGENT'S FINAL REPORT TO THE SPECIAL INSPECTOR FOR ATTACHMENT TO THE SPECIAL INSPECTOR'S FINAL REPORT. THE FINAL REPORT SHALL BE STAMPED AND SIGNED BY THE SPECIAL INSPECTOR AND SUBMITTED TO THE CODE ENFORCEMENT OFFICIAL AND OWNER PRIOR TO THE ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.
- CONTRACTOR TO COORDINATE ALL TESTING, CORING AND NEW OR MODIFIED ROOF PENETRATIONS WITH TREMCO AND ERIE COUNTY HEALTH LAB TO MAINTAIN EXISTING ROOF WARRANTY ON ALL ROOFS.

## STRUCTURAL DESIGN CRITERIA

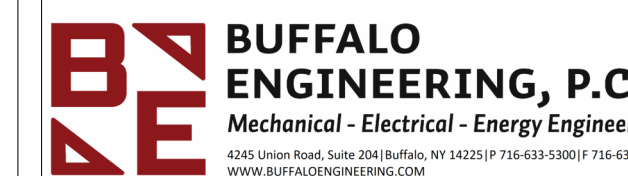
NOTE: ALL LOADS SHALL BE DETERMINED IN ACCORDANCE WITH THE "2025 BUILDING CODE OF NEW YORK STATE" FOR THE AREAS OF WORK SHOWN IN THESE DRAWINGS.

TYPE	DESCRIPTION	DESIGN CRITERIA
ROOF LIVE LOAD	ROOF CONSTRUCTION LOAD	20 PSF
SNOW LOAD	RISK CATEGORY	II
	GROUND SNOW LOAD	80 PSF
	SNOW EXPOSURE FACTOR	1.0
	THERMAL FACTOR	1.1
	SLOPE FACTOR	1.0
	FLAT ROOF SNOW LOAD	61.6 PSF
WIND LOAD (MWS)	DRIFTING SNOW	PER ASCE 7-22 AS REQ'D
	RISK CATEGORY	II
	BASIC WIND SPEED (3-SECOND GUST)	110 MPH
	WIND EXPOSURE CATEGORY	C
	INTERNAL PRESSURE COEFFICIENT	N/A
WIND LOAD (COMPONENT & CLADDING)	MAXIMUM WIND PRESSURE FOR WALLS (EFF. AREA = 10 FT <sup>2</sup> )	- 35.4 PSF / + 26.4 PSF
	MAXIMUM WIND PRESSURE FOR ROOFING (EFF. AREA = 10 FT <sup>2</sup> )	- 75.6 PSF / + 10.7 PSF
EARTHQUAKE LOAD	RISK CATEGORY / IMPORTANCE FACTOR	II / 1.0
	MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (S <sub>a</sub> )	0.18 g
	DESIGN SPECTRAL RESPONSE COEFFICIENT (S <sub>ds</sub> )	0.14 g
	MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (S <sub>1</sub> )	0.04 g
	DESIGN SPECTRAL RESPONSE COEFFICIENT (S <sub>d1</sub> )	0.057 g
	SOIL SITE CLASSIFICATION	DEFAULT
	SEISMIC DESIGN CATEGORY	A
	BASIC SEISMIC - FORCE RESISTING SYSTEM	N/A
	RESPONSE MODIFICATION FACTOR (R)	N/A
	SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	N/A
RAIN LOAD	ANALYSIS PROCEDURE	N/A
	DESIGN SEISMIC BASE SHEAR	N/A
RAIN LOAD	RAIN INTENSITY (i)	2.5 IN/HR
SOIL BEARING	ALLOWABLE NET SOIL BEARING PRESSURE	1,500 PSF (ASSUMED)



## ERIE COUNTY HEALTH LAB BUILDING 17 RTU REPLACEMENT

503 KENSINGTON AVE  
BUFFALO, NY 14214  
EC PROJECT NO. 2024-885-01



BE PROJECT #225034

CONSULTANTS



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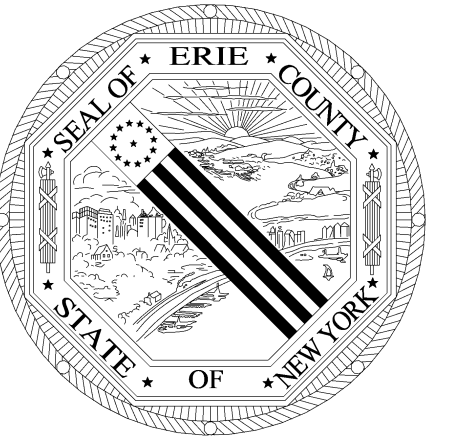
## SYMBOLS, ABBREVIATIONS, GENERAL NOTES & DESIGN CRITERIA

Date: 4/28/2026	DWG. No. <b>S-001</b>
Scale: AS NOTED	
Drawn By: ER	
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HEALTH LAB  
BUILDING 17  
RTU REPLACEMENT**

503 KENSINGTON AVE  
BUFFALO, NY 14214  
EC PROJECT NO. 2024-885-01

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BE PROJECT #225034

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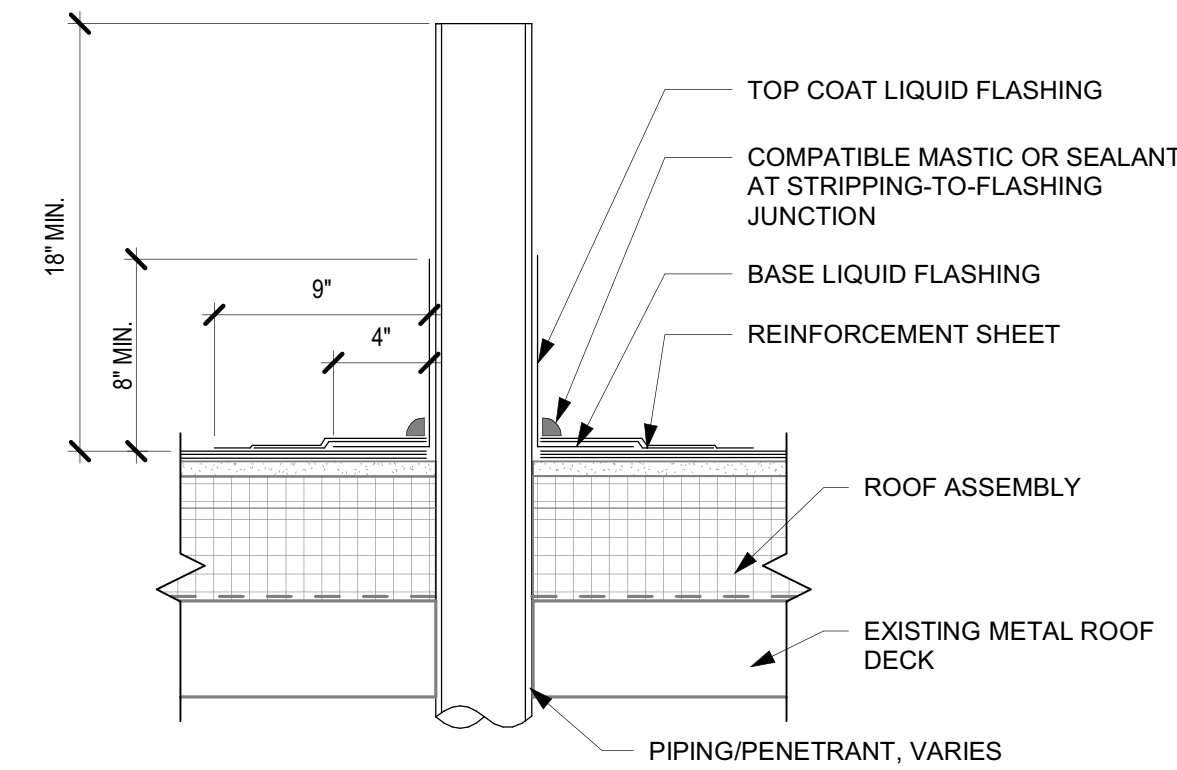
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SHEET TITLE

TYPICAL ROOF DETAILS

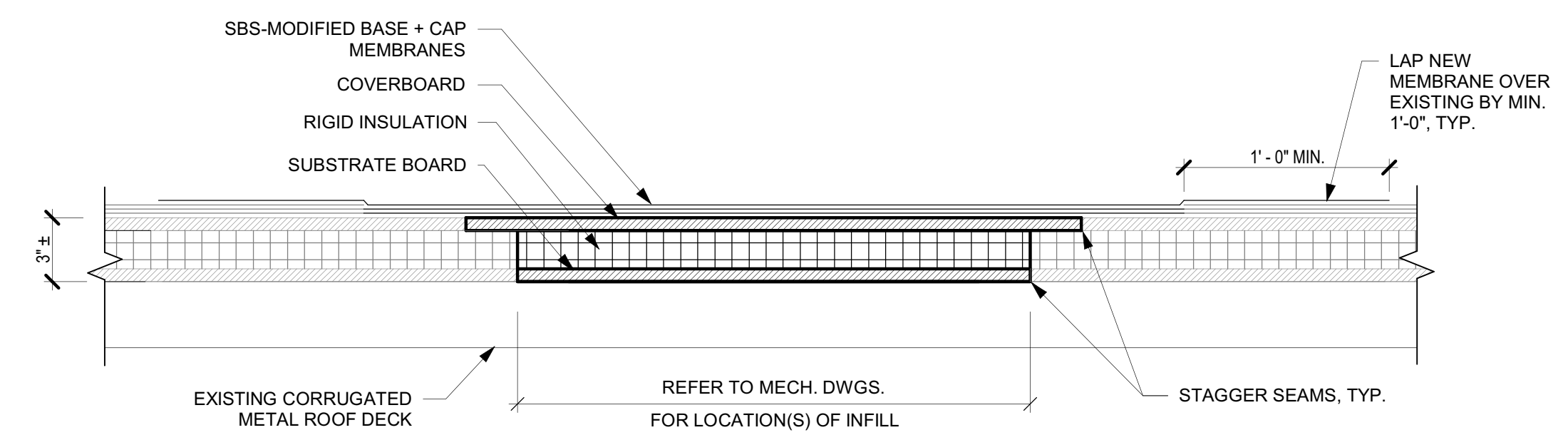
**ROOF NOTES:**

1. THE EXISTING ROOF IS CURRENTLY UNDER WARRANTY HELD BY TREMCO. WORK SHALL MAINTAIN WARRANTY AND BE COORDINATED WITH TREMCO. ALL WORK SHALL BE PERFORMED BY A ROOFING CONTRACTOR APPROVED BY TREMCO
2. REFER TO MECHANICAL DRAWINGS FOR LOCATION & QUANTITY OF ROOF WORK



\*NOTE: SIZE AND TYPE OF PENETRATION MAY VARY.  
REFER TO MECHANICAL DRAWINGS.

**1 ROOF PENETRATION FLASHING DETAIL**  
1 1/2" = 1'-0"



**2 TYPICAL ROOF INFILL DETAIL**  
1 1/2" = 1'-0"

Date:	4/28/2026	DWG. No.	
Scale:	AS NOTED	A-100	
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**ROOFTOP AIR HANDLING UNIT WITH DUCT-MOUNTED HOT WATER HEATING COIL AND ENERGY RECOVERY SCHEDULE (AHU)**

UNIT No.	'NORTEK' MODEL No.	AREA SERVED	SUPPLY AIRFLOW (CFM)	OUTDOOR AIRFLOW (CFM)	EXHAUST AIRFLOW (CFM)	SA ESP (°WC)	SA TSP (°WC)	REFRIGERANT	DX COOLING COIL				INDIRECT FIRED GAS HEATING				HOT GAS RE-HEAT COIL		SUMMER RECOVERY - COIL 1			WINTER RECOVERY - COIL 1			
									TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	ENTERING AIR TEMP DB/WB (°F)	LEAVING AIR TEMP DB/WB (°F)	UNIT INPUT (MBH)	UNIT OUTPUT (MBH)	ENTERING AIR TEMP DB (°F)	LEAVING AIR TEMP DB (°F)	AIR PRESSURE DROP (FT H2O)	CAPACITY (MBH)	LEAVING AIR TEMP DB/WB (°F)	TOTAL CAPACITY (MBH)	ENTERING AIR TEMP DB/WB (°F)	LEAVING AIR TEMP DB/WB (°F)	TOTAL CAPACITY (MBH)	ENTERING AIR TEMP DB/WB (°F)	LEAVING AIR TEMP DB/WB (°F)
AHU-1	A-2-15E-WW-X-CW-X-P	HEALTH LAB	15,000	15,000	15,000	2.5	6.84	R-454B	733.8	418.8	80.4/69.8	54.9/54.5	700.0	560.0	23.1	54.1	0.39	273.8	71.7/60.9	126.1	88.0/72.0	80.4/69.8	371.9	0.0/-1.0	23.1/16.9

CONTINUED

**ROOFTOP AIR HANDLING UNIT WITH DUCT-MOUNTED HOT WATER HEATING COIL AND ENERGY RECOVERY SCHEDULE (AHU)**

UNIT No.	'NORTEK' MODEL No.	AREA SERVED	SUMMER RECOVERY - COIL 2			WINTER RECOVERY - COIL 2			POWER (V/Ph/Hz)	FLA	MCA	MOP (A)	WEIGHT (LBS)	NOTES
			TOTAL CAPACITY (MBH)	ENTERING AIR TEMP DB/WB (°F)	LEAVING AIR TEMP DB/WB (°F)	TOTAL CAPACITY (MBH)	ENTERING AIR TEMP DB/WB (°F)	LEAVING AIR TEMP DB/WB (°F)						
AHU-1	A-2-15E-WW-X-CW-X-P	HEALTH LAB	125.3	70.0/58.0	77.7/60.5	372.4	70.0/53.0	47.3/42.6	460/3/60	184	194	250	31,721	ALL

- NOTES:  
 1. PROVIDE MERV 13 - 4" THICK PLEATED FILTERS, MERV 8 - 2" THICK PLEATED PRE-FILTERS, AND HEPA FILTERS. PROVIDE (2) SETS OF EXTRA FILTERS.  
 2. PROVIDE WITH FACTORY INSTALLED ELECTRICAL DISCONNECT SWITCH.  
 3. PROVIDE FACTORY INSTALLED MODULATING HOT GAS REHEAT.  
 4. PROVIDE WITH FACTORY WIRED GFCI CONVENIENCE OUTLET.  
 5. PROVIDE VARIABLE FREQUENCY DRIVES ON SUPPLY AND RETURN FANS.  
 6. PROVIDE MODULATING GAS HEAT.  
 7. PROVIDE WITH HEAT RECOVERY LOOP PUMP AND ALL ASSOCIATED PIPING AND CONTROLS.  
 8. PROVIDE UNIT SECTION FOR HUMIDIFIER.

**TEMPORARY AIR HANDLING UNIT SCHEDULE (T-AHU)**

UNIT No.	'TRANE' MODEL No.	AREA SERVED	SUPPLY AIRFLOW (CFM)	OUTDOOR AIRFLOW (CFM)	EXHAUST AIRFLOW (CFM)	SA ESP (°WC)	REFRIGERANT	DX COOLING COIL TOTAL CAPACITY (MBH)	ELECTRIC HEATING UNIT INPUT (MBH)	POWER				NOTES	
										V/Ph/Hz	FLA	MCA	MOCOP		WEIGHT (LBS)
T-AHU-1	RSHX0080	HEALTH LAB	15,000	15,000	15,000	4.6	R-410A	960	700.0	460/3/60	283	329	400	80.4/69.8	ALL

- NOTES:  
 1. PROVIDE UNIT WITH HOT GAS BYPASS.  
 2. PROVIDE WITH REMOTE WIRELESS THERMOSTAT.  
 3. PROVIDE WITH RUN HOUR METER.  
 4. PROVIDE WITH 120V GFCI CONVENIENCE OUTLET.  
 5. PROVIDE UNIT WITH ALL TEMPORARY BLOCKING AND PAD REQUIRED FOR SUPPORTING UNIT FOR DURATION OF SERVICE.  
 6. PROVIDE UNIT WITH ALL DUCTWORK AND DUCTWORK SUPPORTS REQUIRED TO DELIVER AIR TO INDOORS AS DEPICTED ON DRAWINGS.

**HUMIDIFIER SCHEDULE (H)**

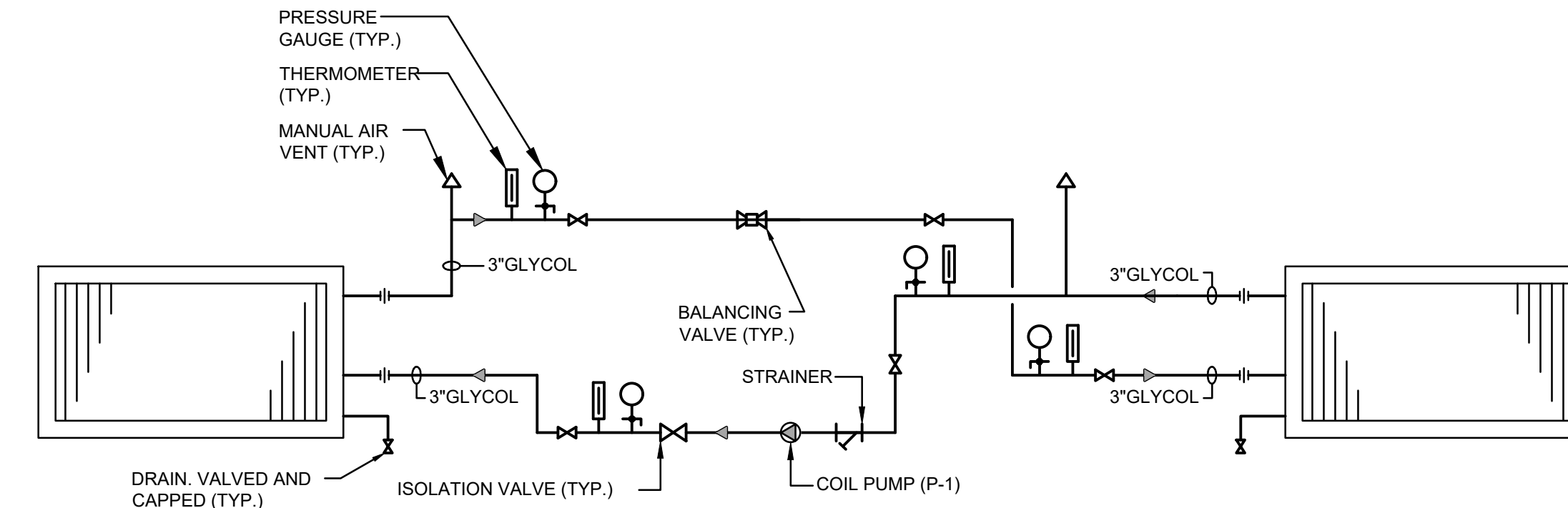
UNIT No.	'CONDAIR' MODEL No.	UNIT SERVED	NOMINAL CAPACITY (LBS/HR)	HUMIDIFICATION LOAD (LBS/HR)	AIRFLOW (CFM)	AIR VELOCITY (FT/MIN)	PIPE CONNECTIONS		ELECTRICAL			NOTES
							GENERATOR INLET (POTABLE WATER) (IN)	GENERATOR OUTLET DRAIN (IN)	POWER (V/Ph/Hz)	MCA	MOP (A)	
H-1	EL 150/550-600/3	AHU-1	150	150	15,000	750	2 X 1/2"	2 X 1.18"	460/3/60	71.2	100	1,2,3

- NOTES:  
 1. PROVIDE WITH FACTORY INSTALLED NEMA 1 DISCONNECT SWITCH.  
 2. PROVIDE WITH SUSPENSION MOUNT DISPERSION TUBE.  
 3. INSTALL WITHIN AIR HANDLER UNIT (AHU-1)

**PUMP SCHEDULE (P)**

UNIT No.	'TACO' MODEL No.	EQUIPMENT SERVED	GPM	HEAD (FT. H2O)	EFFICIENCY	MOTOR			PUMP TYPE	NOTES
						HP	RPM	POWER (V/PH/Hz)		
P-1	KV2009D	AIR HANDLING UNIT	100	65	66%	5	1780	460/3/60	INLINE	1,2,3,4,5

- NOTES:  
 1. PROVIDE VARIABLE FREQUENCY DRIVE WITH LOCKABLE DISCONNECT, TACO 'SMARTDRIVE HVAC' OR SIMILAR.  
 2. PROVIDE SUCTION DIFFUSER AND MULTI-PURPOSE VALVE.  
 3. PROVIDE MOTOR RATED FOR VARIABLE FREQUENCY DRIVE.  
 4. PROVIDE AEGIS SHAFT GROUNDING COLLAR.  
 5. PROVIDE 40% PROPYLENE GLYCOL.



- NOTES:  
 1. PROVIDE 40% PROPYLENE GLYCOL AND FILL RUN AROUND LOOP SYSTEM

**2 RUN AROUND LOOP COIL PIPING SCHEMATIC**

SCALE: NONE

**PENTHOUSE AHU-1 CONTROL SEQUENCE:**

UNIT SUPPLY AND EXHAUST FANS WILL RUN CONTINUOUSLY. WHEN THE FANS ARE STARTED, THE OUTSIDE AIR AND EXHAUST AIR DAMPERS WILL OPEN FIRST. WHEN THE DAMPERS ARE PROVEN OPEN BY AN END SWITCH, THE FANS WILL START.

IN THE HEATING MODE, THE UNIT WILL OPERATE TO MAINTAIN A DISCHARGE AIR TEMPERATURE OF 55°F (ADJ.) THE FIRST STAGE OF HEATING WILL BE THE HEAT RECOVERY SYSTEM COILS. IF THE DISCHARGE AIR TEMPERATURE FALLS BELOW 55°F (ADJ.), THE HEAT RECOVERY PUMP P-1 WILL BE ENERGIZED. IF THE HEAT RECOVERY SYSTEM IS ENERGIZED AND THE DISCHARGE TEMPERATURE FALLS BELOW 55°F, THE GAS HEATING WILL BE ENABLED, AND THE GAS VALVE WILL MODULATE TO MAINTAIN THE DISCHARGE TEMPERATURE SETPOINT.

IN THE COOLING MODE, THE HEAT RECOVERY SYSTEM PUMP WILL BE ON WHEN THE OUTSIDE AIR TEMPERATURE IS GREATER THAN 80°F (ADJ.) AND OFF WHEN THE OUTSIDE AIR TEMPERATURE IS LESS THAN 80°F (ADJ.). GAS HEATING WILL BE OFF, AND VAV BOXES WILL BE INDEXED TO THE COOLING MODE. IF ANY SPACE RISES ABOVE THE SPACE COOLING SETPOINT (ADJ.) AND THE OUTDOOR AIR CANNOT MAINTAIN THE DISCHARGE COOLING SETPOINT (ADJ.), THE STAGES OF DX COOLING WILL BE ENERGIZED AS REQUIRED. DX COOLING STAGES WILL ALSO BE ENERGIZED AS REQUIRED TO MAINTAIN THE RETURN AIR HUMIDITY LEVEL OF 40% R.H. (ADJ.)

THE ELECTRIC HUMIDIFIER WILL BE ENABLED AND WILL BE MODULATED THROUGH THE DDC SYSTEM TO MAINTAIN A RETURN AIR HUMIDITY LEVEL OF 40% R.H. IF THE DISCHARGE AIR HUMIDITY LEVEL EXCEEDS 80% R.H., AS SENSED BY A DISCHARGE AIR HUMIDITY HIGH LIMIT, THEN THE ELECTRIC HUMIDIFIER WILL BE DISABLED UNTIL THE LEVEL STABILIZES.

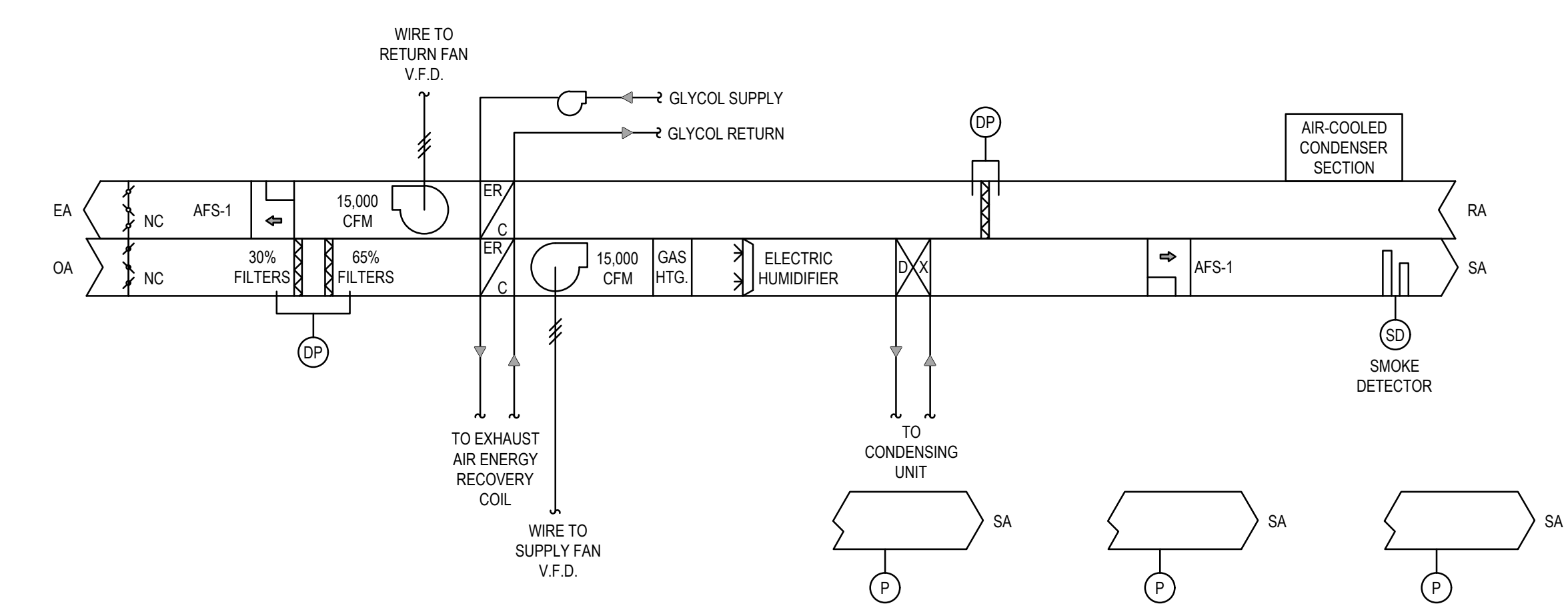
A TOTAL OF (3) END-OF-DUCT STATIC PRESSURE TRANSMITTERS WILL PROVIDE INPUTS TO THE DDC SYSTEM WHICH WILL IN TURN MODULATE THE SUPPLY FAN VARIABLE SPEED DRIVE AS REQUIRED TO MAINTAIN THE WORST CASE STATIC PRESSURE SETPOINT. THIS WILL INSURE THAT ALL DUCT RUNS ARE PROVIDED WITH THE PROPER AMOUNT OF SUPPLY AIR FOR THE LABS. THE RETURN FAN WILL IN TURN TRACK THE SUPPLY FAN TO MAINTAIN THE PROPER AMOUNT OF AIR EXHAUSTED (THESE VALUES ARE TO BE COORDINATED WITH THE PROJECT BALANCING CONTRACTOR). SUPPLY AND RETURN AIR FLOW VALUES WILL BE MONITORED THROUGH THE DDC SYSTEM.

DIFFERENTIAL PRESSURE SWITCHES WILL BE INSTALLED ACROSS SUPPLY AIR AND RETURN AIR FILTER BANKS, AND WILL SEND AN ALARM IF FILTERS BECOME CLOGGED.

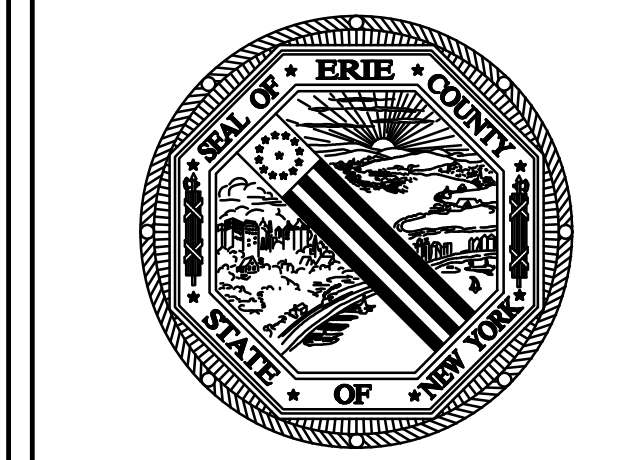
ALL AHU ALARMS WILL BE SENT TO MAIN OPERATOR'S WORKSTATION.

**1 PENTHOUSE AHU-1 CONTROL DETAIL**

SCALE: NONE



HVAC SYMBOL LIST	
	HOT WATER SUPPLY PIPING
	HOT WATER RETURN PIPING
	CHILLED WATER
	DOMESTIC COLD WATER
	GAS PIPING
	LIGHT LINE - EXIST. DUCTWORK, PIPING, ETC...
	HEAVY LINE - NEW DUCTWORK, PIPING, ETC...
	CONDENSATE DRAIN PIPING
	CLEANOUT
	24x12 TYPICAL DUCT SIZE DESIGNATION (OUTSIDE SHEETMETAL DIMENSIONS)
	EX. (E)
	OA
	EA
	SA
	RA
	2"(35.0) TYPICAL PIPE SIZE AND FLOW DESIGNATION
	POINT OF CONNECTION
	POINT OF DEMOLITION
	THERMOSTAT



**ERIE COUNTY HEALTH LAB BUILDING 17 RTU REPLACEMENT**  
 503 KENSINGTON AVE  
 BUFFALO, NY 14214  
 EC PROJECT NO. 2024-885-01

**BUFFALO ENGINEERING, P.C.**  
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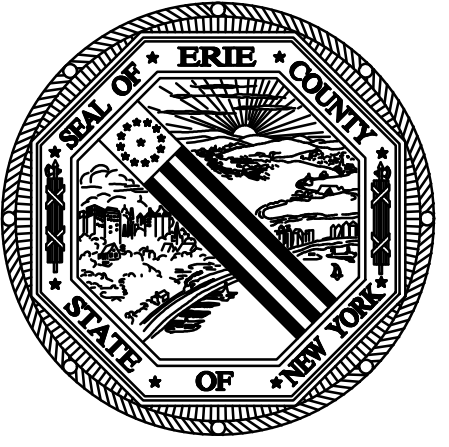
**SHEET TITLE**

**MECHANICAL SYMBOL LEGEND, DETAILS, AND SCHEDULES**

Date: 4/28/2026	DWG. No. <b>M001</b>
Scale: AS NOTED	
Drawn By: AC/KMK	
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**SHEET TITLE**  
MECHANICAL FIRST FLOOR DEMOLITION PLAN

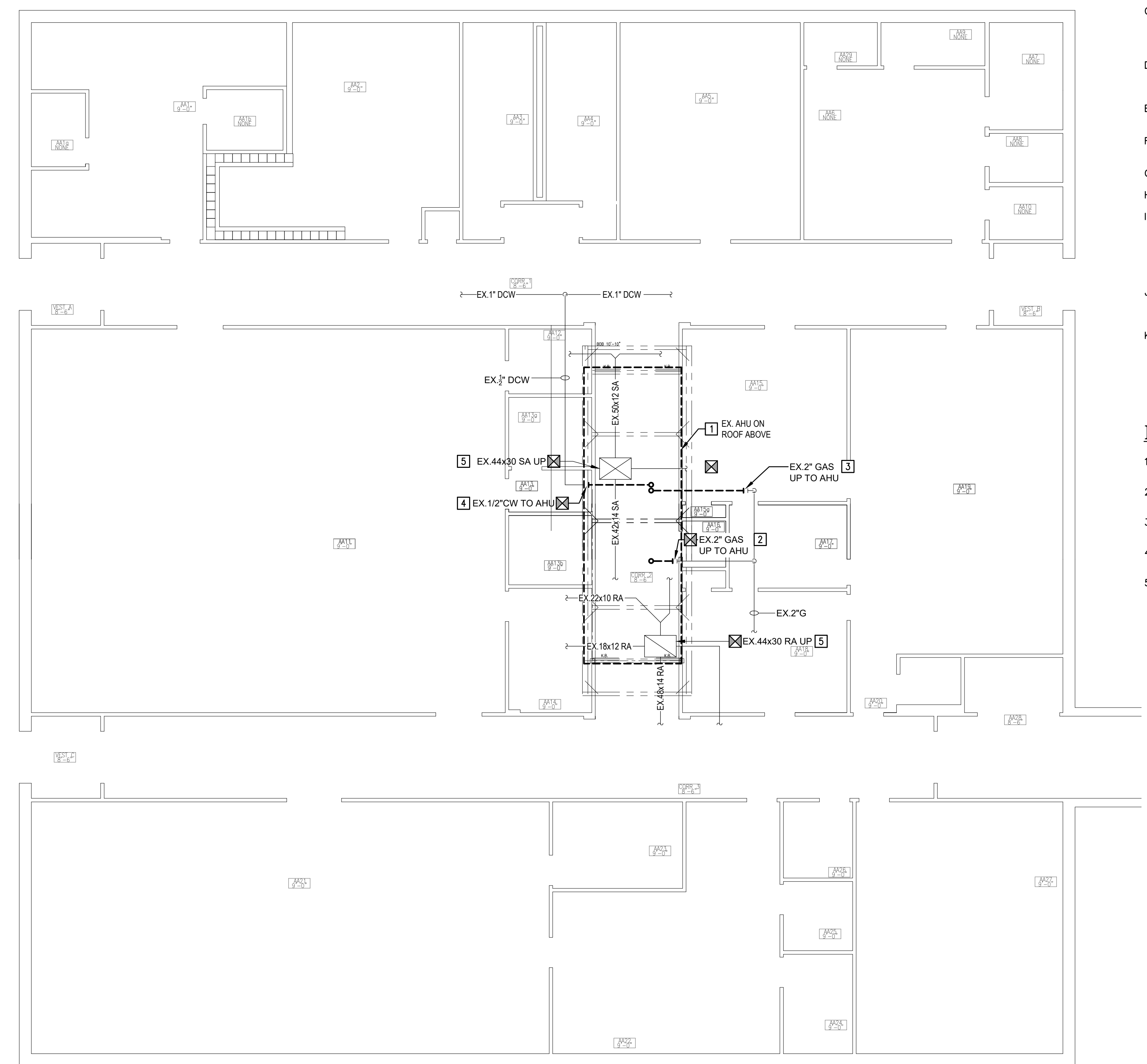
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Scale: AS NOTED	
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Checked By: DKJ	

**GENERAL NOTES:**

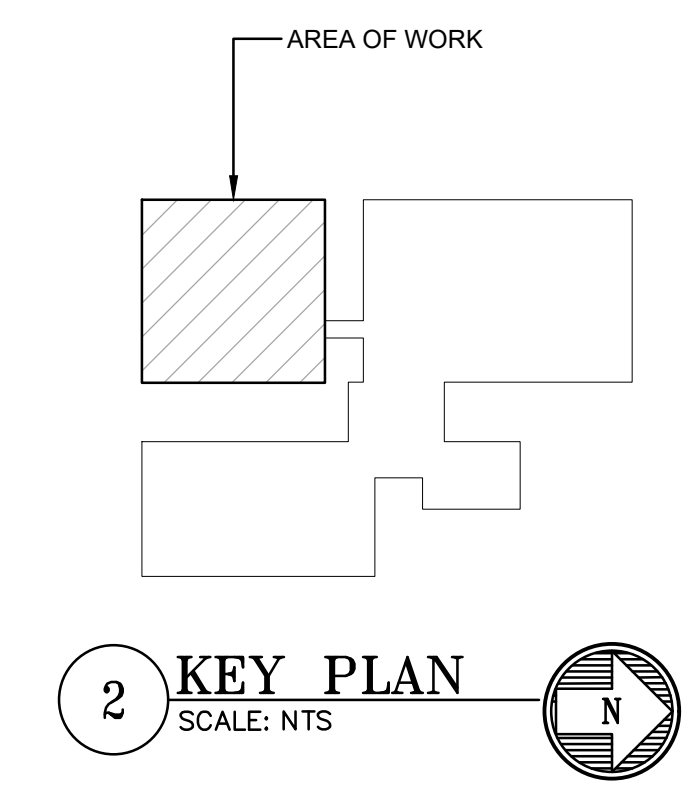
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF PIPING, DUCTWORK, EQUIPMENT, ETC. EXACT LOCATIONS AND ROUTINGS SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES. CAREFULLY COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES.
- DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC. WHICH MAY BE REQUIRED BY ACTUAL FIELD CONDITIONS. THE CONTRACTOR IS TO FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION AND MAKE SUCH CHANGES IN PIPING, DUCTWORK, EQUIPMENT LOCATIONS, ETC. AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES AND ARCHITECT/ENGINEER.
- PROVIDE ALL CUTTING AND PATCHING OF BUILDING COMPONENTS REQUIRED. ALL PATCHING SHALL MATCH THE EXISTING COMPONENTS AND FINISHES. CUTTING AND PATCHING WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULARLY EMPLOYED FOR SUCH SERVICES.
- INSTALL ALL PIPING, DUCTWORK, EQUIPMENT, ETC. TO AVOID INTERFERENCE WITH THE OPERATION AND SERVICING OF ALL EQUIPMENT. IN GENERAL, DO NOT INSTALL ANYTHING ABOVE OR WITHIN 3 FT. IN FRONT OF ELECTRICAL GEAR.
- CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING FINISHES ASSOCIATED IN AREAS NOT IN CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING PIPE ROUTING IN FIELD PRIOR TO DEMOLITION AND INSTALLATIONS.
- PROVIDE FIRE STOPPING FOR ALL RATED FLOOR AND WALL PENETRATIONS.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING ROOF WARRANTIES.
- CONTRACTOR SHALL PERFORM PRE-DEMOLITION TESTING ADJUSTING AND BALANCING OF ALL EXISTING MECHANICAL EQUIPMENT INCLUDING EQUIPMENT NOTED FOR REMOVAL. PROVIDE FLOW CHARACTERISTICS FOR ALL HYDRONIC COMPONENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE PRE-DEMOLITION TAB REPORT TO ENGINEER FOR REVIEW PRIOR TO DEMOLITION.
- PROVIDE ALL CORE DRILLS AND SAW CUTS AS REQUIRED. CONTRACTOR SHALL COORDINATE ALL LOCATIONS IN FIELD PRIOR TO INSTALLATION. PROVIDE FIRE STOPPING AND DAMPERS AT ALL FLOOR PENETRATIONS AS REQUIRED.
- PROVIDE ALL TEMPORARY DISCONNECTS AND RECONNECTS AS REQUIRED FOR PHASING. COORDINATE WITH PHASING PLAN. PROVIDE AS-BUILT DOCUMENTS OF EXISTING CONDITIONS, REMOVALS, AND INSTALLATION OF NEW EQUIPMENT, DUCTWORK, AND PIPING. PROVIDE PRE-DEMOLITION TESTING, ADJUSTING, AND BALANCING OF EXISTING PIPING AND DUCT SYSTEMS, AND RE-BALANCE TO MATCH EXISTING AIRFLOWS AND GPMs UPON COMPLETION OF WORK. FIELD VERIFY ALL LOCATIONS OF EQUIPMENT, PIPING, AND DUCTWORK.

**DEMOLITION NOTES:**

- REMOVE EXISTING ROOFTOP AIR HANDLING UNIT. REMOVE ALL EXISTING CONTROLS, DISCONNECT EXISTING DUCTWORK AND PREPARE FOR NEW CONNECTION.
- REMOVE EXISTING GAS PIPING FROM BELOW ROOF DECK AND REMOVE TO AIR HANDLER UNIT. PROVIDE TEMPORARY CAP AND PREPARE FOR NEW CONNECTION.
- DISCONNECT AND CAP EXISTING GAS PIPING FROM EXISTING STEAM GENERATOR ASSOCIATED WITH AIR HANDLER UNIT.
- DISCONNECT EXISTING DOMESTIC WATER AND DRAIN FROM STEAM GENERATOR ASSOCIATED WITH AIR HANDLER UNIT.
- PROVIDE PRE-DEMOLITION TESTING ADJUSTING AND BALANCING OF EXISTING UNIT PRIOR TO DEMOLITION. INCLUDE SUPPLY AND RETURN DUCT TRAVERSES AND OUTSIDE AIR FLOW/ DAMPER POSITIONS.

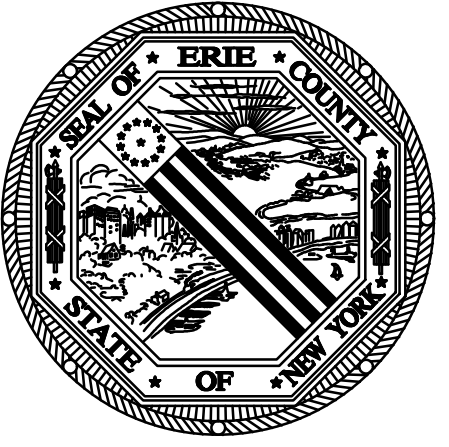


**1 FIRST FLOOR DEMOLITION PLAN - MECHANICAL**  
SCALE: 1/8" = 1'-0"



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**SHEET TITLE**  
MECHANICAL ROOF PLAN

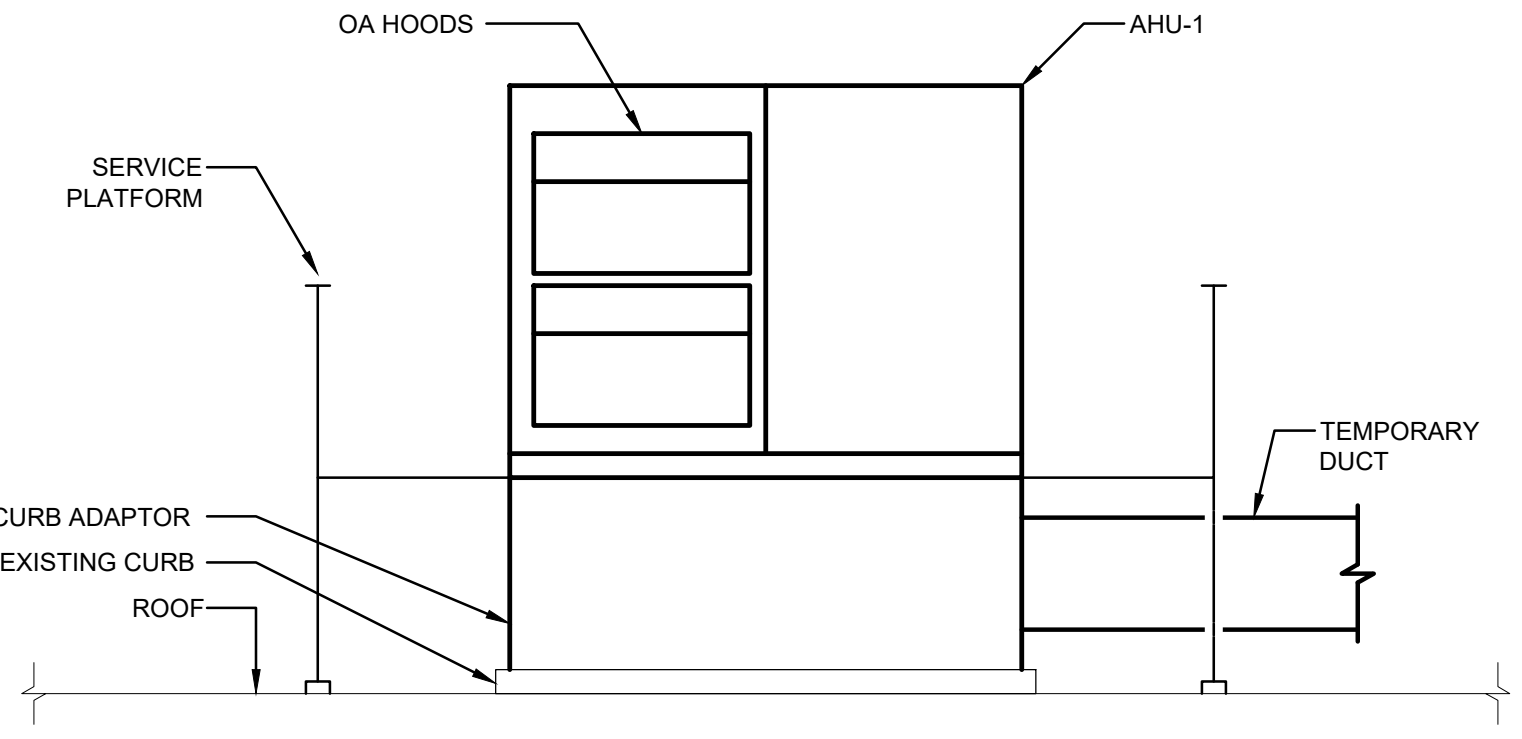
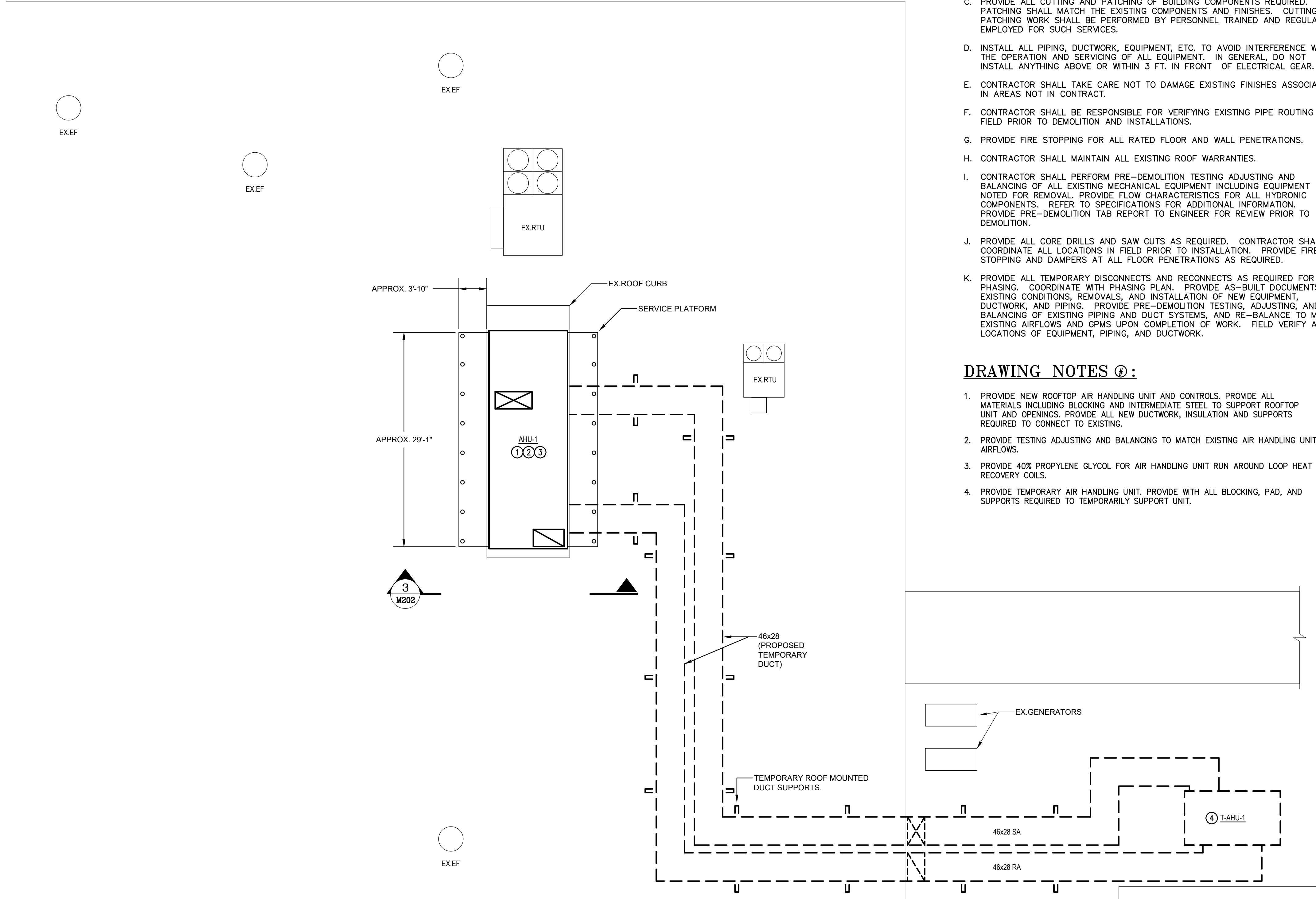
Date: 4/28/2026	DWG. No.
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Drawn By: AC/KMK	
Checked By: DKJ	

**GENERAL NOTES:**

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE SIZE AND GENERAL ARRANGEMENT OF PIPING, DUCTWORK, EQUIPMENT, ETC. EXACT LOCATIONS AND ROUTINGS SHALL BE DETERMINED IN THE FIELD BEFORE AND AS THE WORK PROGRESSES. CAREFULLY COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES.
- DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC. WHICH MAY BE REQUIRED BY ACTUAL FIELD CONDITIONS. THE CONTRACTOR IS TO FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION AND MAKE SUCH CHANGES IN PIPING, DUCTWORK, EQUIPMENT LOCATIONS, ETC. AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS. COORDINATE ALL CHANGES WITH OTHER TRADES AND ARCHITECT/ENGINEER.
- PROVIDE ALL CUTTING AND PATCHING OF BUILDING COMPONENTS REQUIRED. ALL PATCHING SHALL MATCH THE EXISTING COMPONENTS AND FINISHES. CUTTING AND PATCHING WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULARLY EMPLOYED FOR SUCH SERVICES.
- INSTALL ALL PIPING, DUCTWORK, EQUIPMENT, ETC. TO AVOID INTERFERENCE WITH THE OPERATION AND SERVICING OF ALL EQUIPMENT. IN GENERAL, DO NOT INSTALL ANYTHING ABOVE OR WITHIN 3 FT. IN FRONT OF ELECTRICAL GEAR.
- CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING FINISHES ASSOCIATED IN AREAS NOT IN CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING PIPE ROUTING IN FIELD PRIOR TO DEMOLITION AND INSTALLATIONS.
- PROVIDE FIRE STOPPING FOR ALL RATED FLOOR AND WALL PENETRATIONS.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING ROOF WARRANTIES.
- CONTRACTOR SHALL PERFORM PRE-DEMOLITION TESTING ADJUSTING AND BALANCING OF ALL EXISTING MECHANICAL EQUIPMENT INCLUDING EQUIPMENT NOTED FOR REMOVAL. PROVIDE FLOW CHARACTERISTICS FOR ALL HYDRONIC COMPONENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE PRE-DEMOLITION TAB REPORT TO ENGINEER FOR REVIEW PRIOR TO DEMOLITION.
- PROVIDE ALL CORE DRILLS AND SAW CUTS AS REQUIRED. CONTRACTOR SHALL COORDINATE ALL LOCATIONS IN FIELD PRIOR TO INSTALLATION. PROVIDE FIRE STOPPING AND DAMPERS AT ALL FLOOR PENETRATIONS AS REQUIRED.
- PROVIDE ALL TEMPORARY DISCONNECTS AND RECONNECTS AS REQUIRED FOR PHASING. COORDINATE WITH PHASING PLAN. PROVIDE AS-BUILT DOCUMENTS OF EXISTING CONDITIONS, REMOVALS, AND INSTALLATION OF NEW EQUIPMENT, DUCTWORK, AND PIPING. PROVIDE PRE-DEMOLITION TESTING, ADJUSTING, AND BALANCING OF EXISTING PIPING AND DUCT SYSTEMS, AND RE-BALANCE TO MATCH EXISTING AIRFLOWS AND GPMs UPON COMPLETION OF WORK. FIELD VERIFY ALL LOCATIONS OF EQUIPMENT, PIPING, AND DUCTWORK.

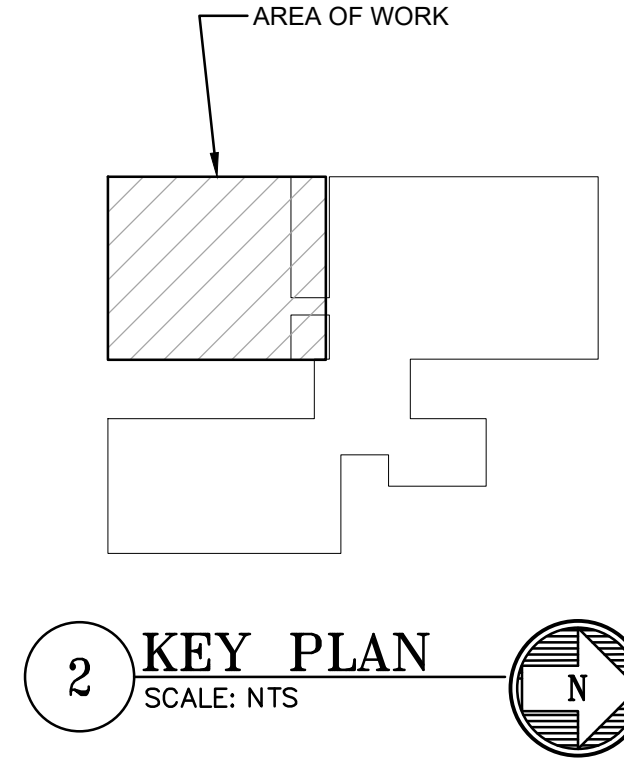
**DRAWING NOTES:**

- PROVIDE NEW ROOFTOP AIR HANDLING UNIT AND CONTROLS. PROVIDE ALL MATERIALS INCLUDING BLOCKING AND INTERMEDIATE STEEL TO SUPPORT ROOFTOP UNIT AND OPENINGS. PROVIDE ALL NEW DUCTWORK, INSULATION AND SUPPORTS REQUIRED TO CONNECT TO EXISTING.
- PROVIDE TESTING ADJUSTING AND BALANCING TO MATCH EXISTING AIR HANDLING UNIT AIRFLOWS.
- PROVIDE 40% PROPYLENE GLYCOL FOR AIR HANDLING UNIT RUN AROUND LOOP HEAT RECOVERY COILS.
- PROVIDE TEMPORARY AIR HANDLING UNIT. PROVIDE WITH ALL BLOCKING, PAD, AND SUPPORTS REQUIRED TO TEMPORARILY SUPPORT UNIT.



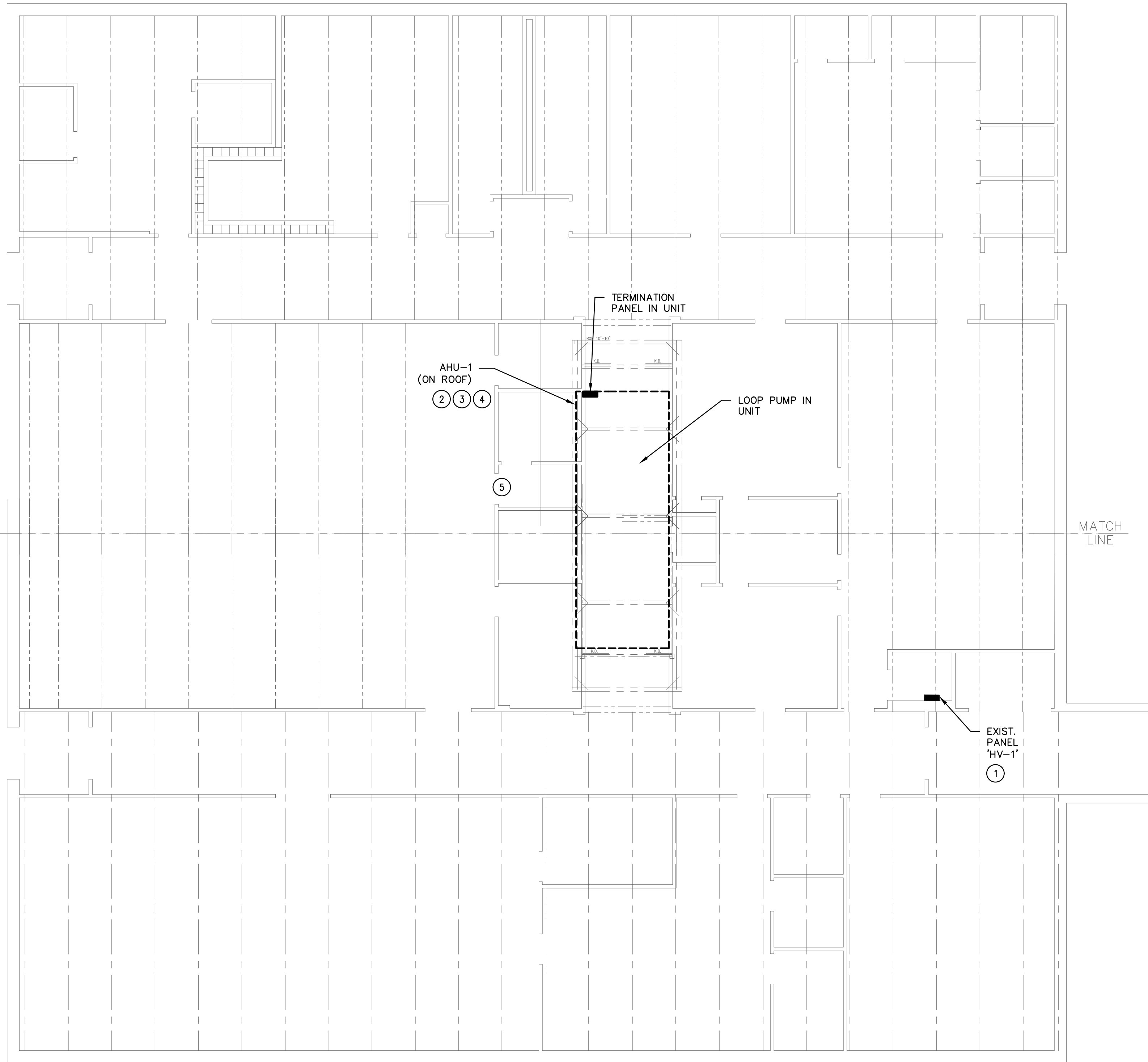
**3 AIR HANDLING UNIT SECTION**  
SCALE: 1/4" = 1'-0"

**1 ROOF PLAN - MECHANICAL**  
SCALE: 1/8" = 1'-0"



**2 KEY PLAN**  
SCALE: NTS

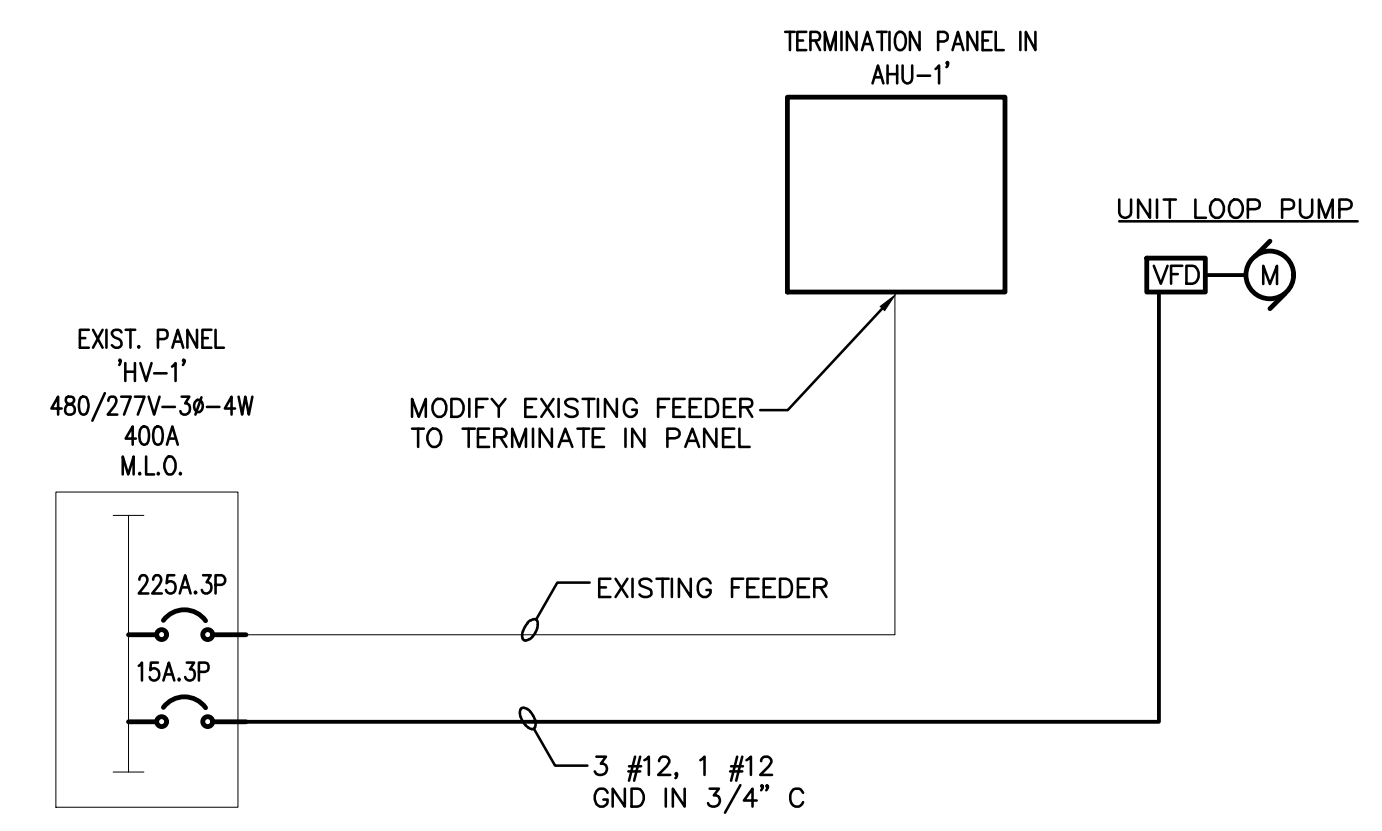
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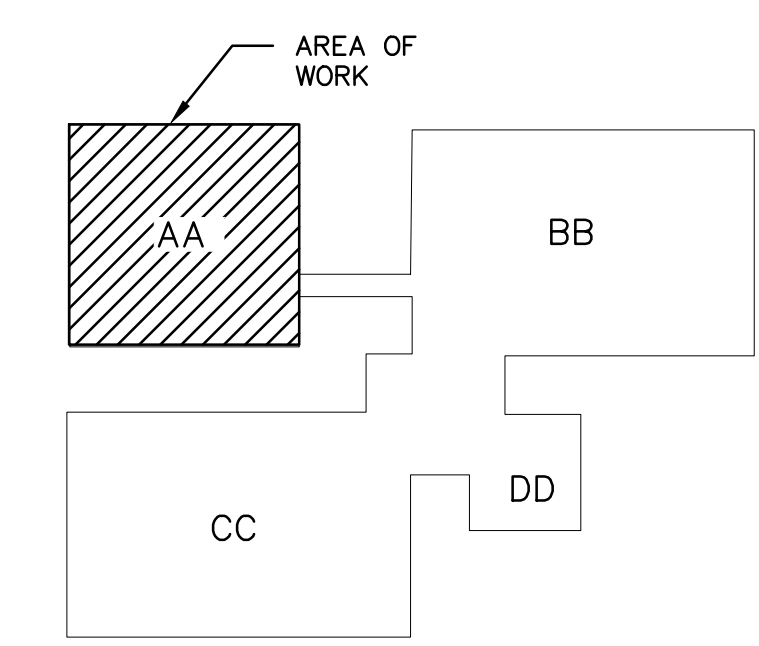
**1 PARTIAL FIRST FLOOR PLAN - ELECTRICAL**  
SCALE: 1/8" = 1'-0"

**PLAN KEYED NOTES:**

- REMOVE EXISTING 225A, 480V CIRCUIT BREAKER FROM EXISTING PANEL HV-1 SERVING RTU-1. PROVIDE A 225A 480V CIRCUIT BREAKER UL LISTED FOR USE IN PANEL TO SERVE REPLACEMENT RTU. REFER TO DETAIL #2 THIS DRAWING.
- DISCONNECT FEEDER TO EXISTING ROOFTOP UNIT, 3 #4/0, 1#4 GND IN 2" C, TO BELOW ROOF LEVEL TO ACCOMMODATE ROOFTOP REPLACEMENT. PROTECT FEEDERS FOR RE-USE.
- MODIFY EXISTING ROOFTOP UNIT FEEDER TO SERVE AHU-1 PANELBOARD. REFER TO DETAIL #2 THIS DRAWING.
- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE THIS DRAWING FOR AHU-1 EQUIPMENT COMPONENTS.
- PROVIDE ALL FIRE PROGRAMMING TO DISABLE AND ENABLE ALL FIRE ALARM DEVICES EFFECTED BY THE REMOVAL AND RE-INSTALLATION OF THE ROOFTOP UNIT.



**2 PARTIAL ELECTRICAL SINGLE LINE DIAGRAM**  
SCALE: N.T.S.

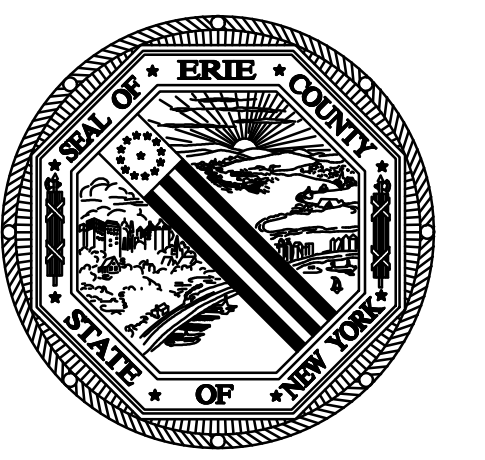


**3 KEY PLAN**  
SCALE: N.T.S.

**GENERAL DRAWING NOTES**

(THESE NOTES APPLY TO ALL ELECTRICAL DRAWINGS)

- COORDINATE REMOVAL AND INSTALLATION OF ROOFTOP UNIT FEEDERS TO MINIMIZE DOWNTIME OF ROOFTOP UNIT.
- PROVIDE LOCK-OUT, TAG-OUT PROCEDURES FOR ROOFTOP FEEDERS AS REQUIRED.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERALLY THE LOCATIONS OF THE MATERIAL AND EQUIPMENT. THESE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE.
- MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION, SHALL BE INCLUDED IN THE CONTRACTORS ESTIMATE THE SAME AS IF HEREIN SPECIFIED OR SHOWN.
- WITH SUBMISSION OF BID, IT IS MUTUALLY AGREED THE CONTRACTOR HAS INCLUDED THE COST OF ALL REQUIRED ITEMS IN HIS PROPOSAL, AND THAT HE WILL BE RESPONSIBLE FOR THE APPROVED SATISFACTORY FUNCTIONING OF THE ENTIRE SYSTEM WITHOUT EXTRA COMPENSATION.
- BEFORE SUBMITTING BID, CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE CONDITIONS ON WHICH HIS WORK IS IN ANY WAY DEPENDANT FOR THE BEST WORKMANSHIP AND OPERATION ACCORDING TO THE INTENT OF SPECIFICATION AND DRAWINGS.
- NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT SITE, OR FOR ANY ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED OR WORK TO BE DONE.
- THE CONTRACTOR SHALL VERIFY THE ELECTRICAL REQUIREMENTS OF ALL ACTUAL EQUIPMENT INVOLVED PRIOR TO THE INSTALLATION OF ELECTRICAL SERVICE TO THE SAME.
- ANY WORK INSTALLED CONTRARY TO, OR WITHOUT CONCURRENCE OF THE OWNER'S REPRESENTATIVE, SHALL BE SUBJECT TO CHANGE AS DIRECTED BY THE OWNER'S REPRESENTATIVE, AND NO EXTRA COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR MAKING THE CHANGES.
- THE CONTRACTOR SHALL TEST ALL NEW SYSTEMS AND REPAIR OR REPLACE ALL DEFECTIVE WORK. THE CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS TO THE SYSTEM AND SHALL INSTRUCT THE OWNER'S PERSONNEL IN THE PROPER OPERATIONS OF THE SYSTEMS.
- ALL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, LOCAL CODES, AND ORDINANCES.
- ALL CONDUITS OR EXPOSED WORK SHALL BE RUN AT RIGHT ANGLES TO, AND PARALLEL WITH, THE SURROUNDING WALL AND SHALL CONFORM TO THE FORM OF THE CEILING. NO DIAGONAL RUNS WILL BE ALLOWED. BENDS IN PARALLEL CONDUIT RUNS SHALL BE CONCENTRIC. ALL CONDUIT SHALL RUN PERFECTLY STRAIGHT AND TRUE. PAINT RACEWAY, FITTINGS AND SUPPORT TO MATCH EXISTING SURFACES.
- EQUIPMENT MANUFACTURER NAMES AND MODEL NUMBERS ARE LISTED AS THE BASIS OF DESIGN AND AS A STANDARD FOR CONSTRUCTION AND FEATURES. MANUFACTURERS OF EQUIVALENT EQUIPMENT MAY BE SUBSTITUTED UPON APPROVAL BY THE ENGINEER.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, CATALOG CUT SHEETS, AND PRODUCT DATA FOR ALL ELECTRICAL EQUIPMENT AND COMPONENTS TO BE INSTALLED.
- ALL RECEPTACLES, SWITCHES, ETC. IN RATED WALLS AND CEILINGS MUST BE INSTALLED A MINIMUM OF 24" FROM EACH OTHER OR PROPERLY FIRESTOPPED TO MAINTAIN RATINGS IF WITHIN THE SAME WALL OR CEILING CAVITY. PROVIDE ALL LABOR AND MATERIALS REQUIRED TO MATCH RATING OF WALL AND CEILING CONSTRUCTION. FIRE CAULK ANY PENETRATIONS OF RATED WALLS OR CEILINGS.
- GUARANTEE THE ENTIRE ELECTRICAL SYSTEM FOR A PERIOD OF TWO YEARS FROM THE DATE OF ACCEPTANCE AS COMPLETE BY THE OWNER.
- PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED FOR ELECTRICAL SYSTEMS INDICATED ON THESE DRAWINGS. THE WORK SHALL BE TESTED AND LEFT COMPLETE AND IN SATISFACTORY OPERATION SUBJECT TO THE APPROVAL OF THE AUTHORITIES AND THE OWNER'S REPRESENTATIVE.
- ALL CONDUITS SHALL BE INSTALLED AS HIGH AS POSSIBLE ABOVE FINISHED CEILINGS AND CONCEALED IN WALLS UNLESS OTHERWISE INDICATED. ALL CONDUITS SHALL RUN PARALLEL AND PERPENDICULAR WITH BUILDING WALLS AND STRUCTURE. CONDUITS CONCEALED IN WALLS SHALL BE INSTALLED VERTICALLY. HORIZONTAL RUNS OF CONDUIT SHALL NOT BE PERMITTED.
- CONTRACTOR IS HEREBY CAUTIONED THAT ELECTRIC POWER CHARACTERISTIC (VOLTAGE, PHASE, HORSEPOWER, AMPERAGE, ETC.) OF EQUIPMENT IS BASED ON AVAILABLE INFORMATION AT THE TIME OF PROJECT DESIGN. CONTRACTOR MUST VERIFY CHARACTERISTICS FOR EACH PIECE OF NEW EQUIPMENT PRIOR TO ORDERING ELECTRICAL EQUIPMENT. INDICATE VERIFICATION ON SUBMITTALS.
- LOCATIONS INDICATED FOR NEW LIGHTING FIXTURES ARE APPROXIMATE. LOCATE FIXTURES AS REQUIRED TO AVOID INTERFERENCE WITH NEW BUILDING STEEL, PIPING, DUCTWORK, CONDUIT, DIFFUSERS, GRILLES, SPEAKERS, SMOKE DETECTORS, ETC. FIELD COORDINATE EXACT LOCATIONS AS NEAR AS POSSIBLE TO THE LOCATION INDICATED.
- EXACT LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, EXIT SIGNS, ETC. SHALL BE COORDINATED WITH OTHER CEILING MOUNTED EQUIPMENT TO AVOID CONFLICT. LOCATE DEVICES AS NEAR AS POSSIBLE TO THE LOCATION INDICATED. FIRE ALARM SMOKE DETECTORS SHALL BE LOCATED 3'-0" MINIMUM FROM HVAC DIFFUSERS, GRILLES, ETC.
- CONTRACTOR SHALL REVIEW ALL TRADES CONTRACT DOCUMENTS TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR ELECTRICAL EQUIPMENT. COORDINATE EXACT MOUNTING LOCATIONS WITH THE ARCHITECT AND OTHER CONTRACTORS. REFER TO ARCHITECTURAL PLANS FOR CASEWORK LAYOUT, ELEVATIONS, ETC. COORDINATE WITH LOCATIONS OF ELECTRICAL DEVICES AND OUTLETS.
- EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS.
- FIRE ALARM VISUAL STROBE UNITS SHALL BE MOUNTED AT 80" A.F.F. TO BOTTOM OF DEVICE LENS PER A.D.A. REQUIREMENTS.
- CIRCUITING TO DEVICES/EQUIPMENT SHALL BE 2 #12 WITH 1 #12 GROUND (MULTIPLE HOMERUNS IN SAME CONDUIT MAY SHARE SAME EQUIPMENT GROUND) FOR EACH 20 AMPERE CIRCUIT UNLESS OTHERWISE NOTED.
- CIRCUIT NUMBERS INDICATED ON THE DRAWINGS ARE SHOWN FOR THE PURPOSE OF CLARIFYING THE GROUPING OF OUTLETS. THE ACTUAL NUMBER ASSIGNED TO THE CIRCUIT IN THE PANELBOARD SHALL SUIT THE BUSSING AND BRANCH CIRCUITING TO THE PANEL. PROVIDE COMPLETE AND ACCURATE TYPEWRITTEN PANEL DIRECTORIES FOR ALL PANELBOARDS.



**ERIE COUNTY  
HEALTH LAB  
BUILDING 17  
RTU REPLACEMENT**  
503 KENSINGTON AVE  
BUFFALO, NY 14214  
EC PROJECT NO. 2024-885-01

**Buffalo Engineering, P.C.**  
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BE PROJECT #225034

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**SHEET TITLE**  
PARTIAL FIRST FLOOR  
PLAN ELECTRICAL

Date: 4/28/2026	DWG. No. <b>E100</b>
Scale: AS NOTED	Checked By: NS/JEH
Drawn By: NS/JEH	

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**ERIE COUNTY  
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BE PROJECT #225034

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**Watts Architects & Engineers**

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8-31-2026

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**SHEET TITLE**

**PARTIAL FIRST FLOOR  
PLAN ELECTRICAL**

Date: 4/28/2026	DWG. No.
Scale: AS NOTED	<b>E200</b>
Drawn By: NS/JEH	
Checked By:	

**GENERAL NOTES:**

- A. UNLESS OTHERWISE INDICATED, ALL WORK ON THIS SHEET TO BE COMPLETED UNDER ELECTRICAL ALTERNATE #1.
- B. COORDINATE REMOVAL AND CONNECTION TO DOMESTIC WATER EQUIPMENT TO LIMIT DOWN TIME.
- C. COORDINATE SHUT DOWN OF EXISTING SWITCHBOARD TO ACCOMMODATE ADDITION OF CIRCUIT BREAKERS. PROVIDE ALL EQUIPMENT NECESSARY.

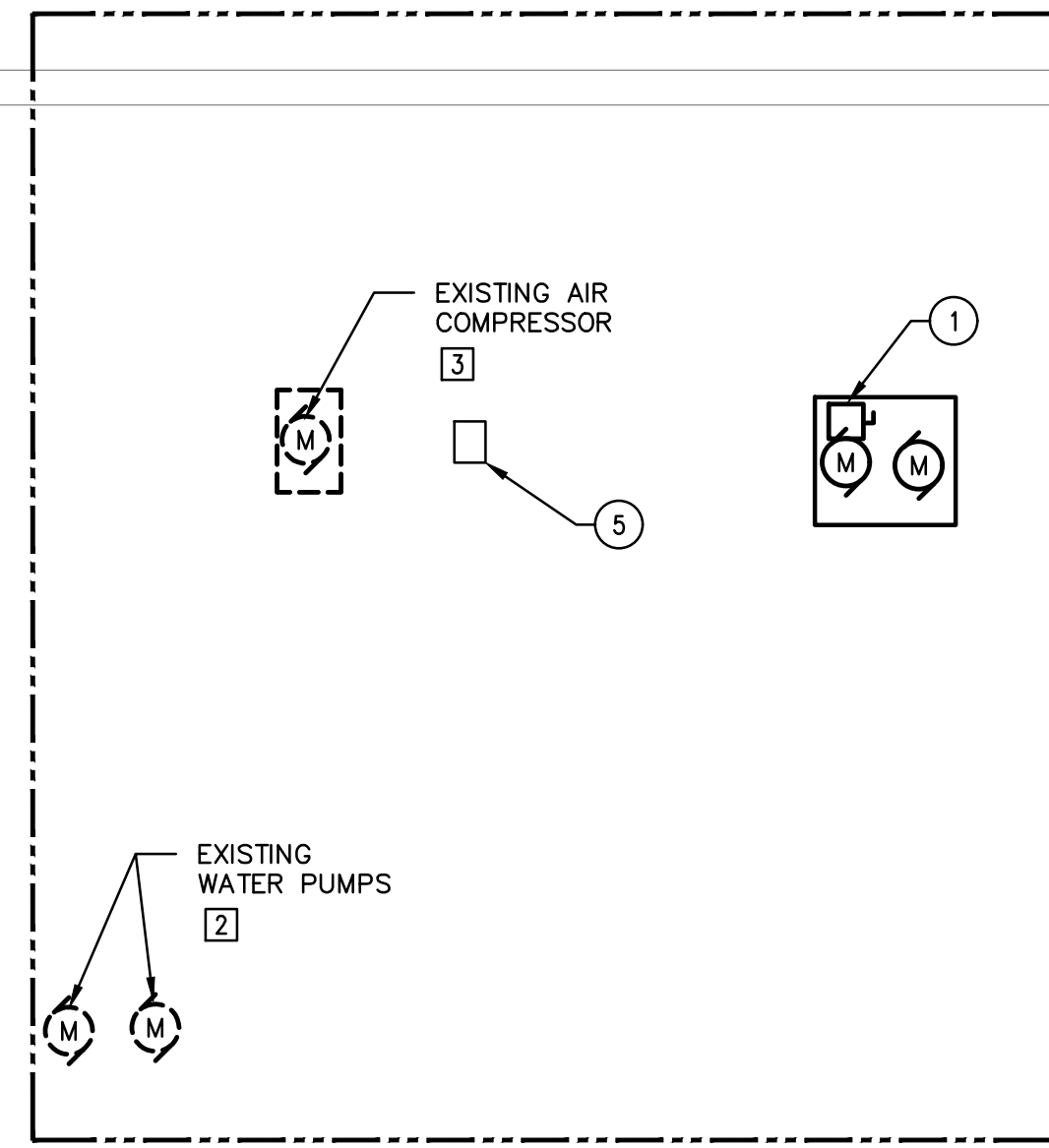
**REMOVAL KEYED NOTES:**

- 1. EXISTING 480V MOTOR CONTROL CENTER WHICH CURRENTLY SERVE BOOSTER PUMPS AND DOMESTIC WATER COMPRESSOR.
- 2. DISCONNECT AND REMOVE FEEDER SERVING DOMESTIC WATER PUMPS.
- 3. DISCONNECT AND REMOVE FEEDER SERVING AIR COMPRESSOR.

**INSTALLATION KEYED NOTES:**

- 1. PROVIDE FEEDER INCLUDING CIRCUIT BREAKER, FROM EXISTING SWITCHBOARD TO SERVE DOMESTIC WATER BOOSTER PUMPS, (3) #6, (1) #10 GND. IN 1" CONDUIT TO 50A/3P CIRCUIT BREAKER.
- 2. UTILIZE SPARE 400A/3P CIRCUIT BREAKER, UL LISTED FOR USE IN EXISTING SWITCHBOARD TO SERVE TEMPORARY HVAC UNIT.
- 3. PROVIDE 3 #4/0 AND 1 #2 GND. CONDUCTOR TO SERVE TEMPORARY HVAC UNIT. PROVIDE REQUIRED SUPPORTS, PATHWAY, AND PROTECTION FOR OPEN AIR CONDUCTORS.
- 4. PROVIDE 400A.3P NEMA 3R DISCONNECT SWITCH, WITH 350AMP FUSES TO SERVE TEMPORARY HVAC UNIT.
- 5. PROVIDE 20A 120V CIRCUIT FROM EXISTING PANELBOARD TO SERVE FILTER CONTROL PANEL.

ALTERNATE  
BID ITEMS



EXISTING MOTOR CONTROL CENTER "MCC"

EXISTING AIR COMPRESSOR

EXISTING WATER PUMPS

MECHANICAL ROOM

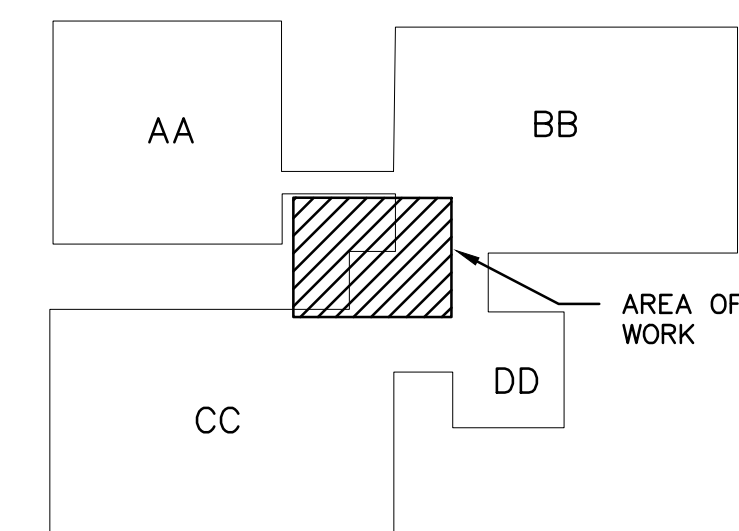
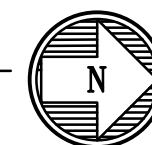
ITEMS INCLUDED UNDER ALTERNATE

EXISTING SWITCHBOARD  
2500A, 480/277V, 3Ø, 4w

EXISTING PANELBOARD  
120/208V, 3Ø, 4w

**1 PARTIAL FIRST FLOOR PLAN - ELECTRICAL**

SCALE: 1/8" = 1'-0"



**2 KEY PLAN**

SCALE: N.T.S.

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**PIPING MATERIAL SCHEDULE**

SERVICE	PIPE MATERIALS	FITTINGS	CONNECTION	HANGER SPACING
WATER	ABOVE FLOOR	TYPE "L" COPPER	WROUGHT COPPER	NO-LEAD SOLDER/COMPRESSION JOINTS / THREADED
	BELOW FLOOR	TYPE "K" COPPER	TYPE "K" COPPER	BRAZED OR COMPRESSED JOINTS
DRAINS / INDIRECT WASTE	SCH. 40 PVC	MECHANICAL JOINTS	SOLVENT CEMENTING	4'

**GATE VALVE SCHEDULE**

UNIT NO.	LOCATION	MODEL NO.	SIZE (IN)
GV-1	MECH ROOM	'MUELLER' MODEL '7435'	3"
GV-2	MECH ROOM	'MUELLER' MODEL '7399'	3"
GV-3	MECH ROOM	'AWWA' 'C509 (NRS)'	3"

**LEGENDS AND ABBREVIATIONS**

--- HW (EX) ---	HW(EX) HOLD WATER EXISTING TO REMAIN	☒	REMOVE PIPING TO THIS POINT
--- HWR (EX) ---	RHW(EX) RECIRCULATION HOLD WATER EXISTING TO REMAIN	⊕	CONNECT NEW TO EXISTING
---		⊙	PUMP
--- CW (EX) ---	CW(EX) COLD WATER EXISTING TO REMAIN		VTR VENT THROUGH ROOF
--- SAN (EX) ---	SAN(EX) SANITARY SEWER EXISTING TO REMAIN		CFH CUBIC FEET PER HOUR (GAS)
--- G(EX) ---	GAS(EX) GAS EXISTING TO REMAIN	○	FCO FLOOR CLEANOUT
--- G ---	GAS GAS PIPING	—	CO CLEANOUT
--- CW ---	CW COLD WATER	⊕	FD FLOOR DRAIN
--- HW ---	HW HOT WATER	⊕	CAP END OF PIPE
--- RHW ---	RHW RECIRCULATING HOT WATER	⊕	PIPE DOWN
--- SAN ---	SAN SANITARY SEWER (BELOW FLOOR)	⊕	PIPE UP
--- SAN ---	SAN SANITARY SEWER (ABOVE FLOOR)	⊕	HS HOSE STATION
--- V ---	V VENT	⊕	EX. EXISTING TO REMAIN
--- IW ---	IW INDIRECT DRAIN	⊕	TYP TYPICAL
---	SAW CUTTING FLOOR	---	CONT'D CONTINUED
---	LUBRICATED PLUG VALVE	⊕	
---	FULL PORT BALL VALVE	⊕	
---	CHECK VALVE	⊕	
---	STRAINER	⊕	
---	BALANCING VALVE	⊕	
---	RPZ BACKFLOW PREVENTER	⊕	
---	UNION	⊕	

NOTE:  
ALL LEGENDS AND ABBREVIATIONS  
MAY NOT BE USED ON DRAWINGS.

**SHOCK ABSORBER SCHEDULE**

P.D.I. UNITS	FIXTURE UNITS	PIPE SIZE
A	1 - 11	1/2"
B	12 - 32	3/4"
C	33 - 60	1"
D	61 - 113	1-1/4"
E	114 - 154	1-1/2"
F	155 - 330	2"

**PUMP SCHEDULE (ALTERNATE)**

UNIT NO.	LOCATION	MODEL NO.	SYSTEM GPM	WPD (FT. H2O)	MOTOR (HP) EACH	POWER	NOTES
P-1	MECH ROOM	'TACO' '30VR-02-2A'	200	40	7.5	460/60/3	SEE BELOW

NOTE:  
1. 40 PSI SUCTION PRESSURE, 40 PSI BOOST, 80 PSI DISCHARGE PRESSURE.  
2. DUPLEX CONFIGURATION, WITH 4" HEADER, 200 GPM TOTAL.  
3. PROVIDE FACTORY INSTALLED VFD AND CONTROLLER, AND NEMA 4 ENCLOSURE.  
4. PROVIDE PRESSURE REDUCING VALVE DOWNSTREAM OF BOOSTER PUMP SET AT 70 PSI.

**FILTER SCHEDULE (ALTERNATE)**

UNIT NO.	LOCATION	MODEL NO.	MAX FLOW RATE (GPM)	SCREEN AREA (IN SQ.)	WEIGHT	NOTES
WF-1	MECH ROOM	'FORSTA FILTERS' MODEL 'ML2-90'	200	144	35	SEE BELOW

NOTE:  
1. PROVIDE SUPPORT STRUCTURE FOR FILTER CONFIGURATION.  
2. PROVIDE EC-2-110/220 CONTROLLER. COORDINATE ELECTRICAL INFORMATION WITH E.C. FOR POWER.  
3. PROVIDE ALL VALVES AND PIPING REQUIRED TO FACILITATE THE INSTALLATION.  
4. COORDINATE FINAL INSTALLATION LOCATION WITH OWNER.

**CHECK VALVE SCHEDULE**

UNIT NO.	LOCATION	MODEL NO.	SIZE (IN)
CV-1	MECH ROOM	'FLOWMATIC' '745'	3"
CV-2	MECH ROOM	'JOMAR' 'T-501G'	2"

**REDUCED PRESSURE ZONE SCHEDULE**

UNIT NO.	LOCATION	MODEL NO.	SIZE
RPZ-1	MECH ROOM	'ZURN' '375-05Y'	3"

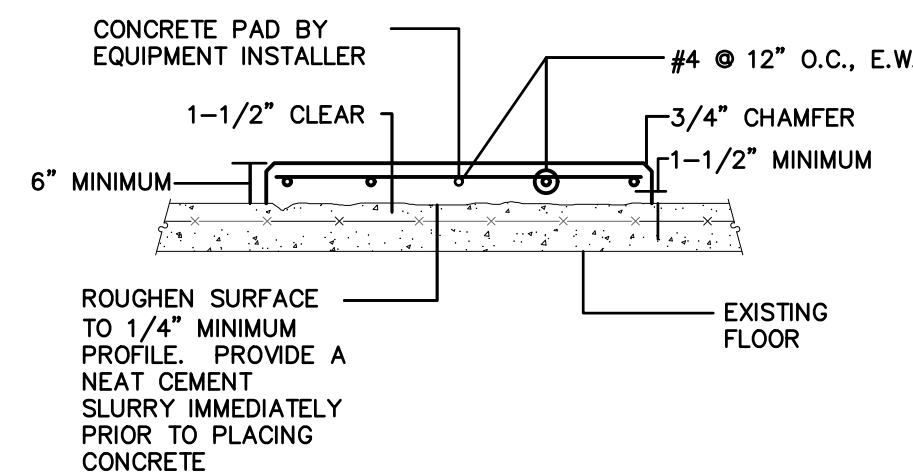
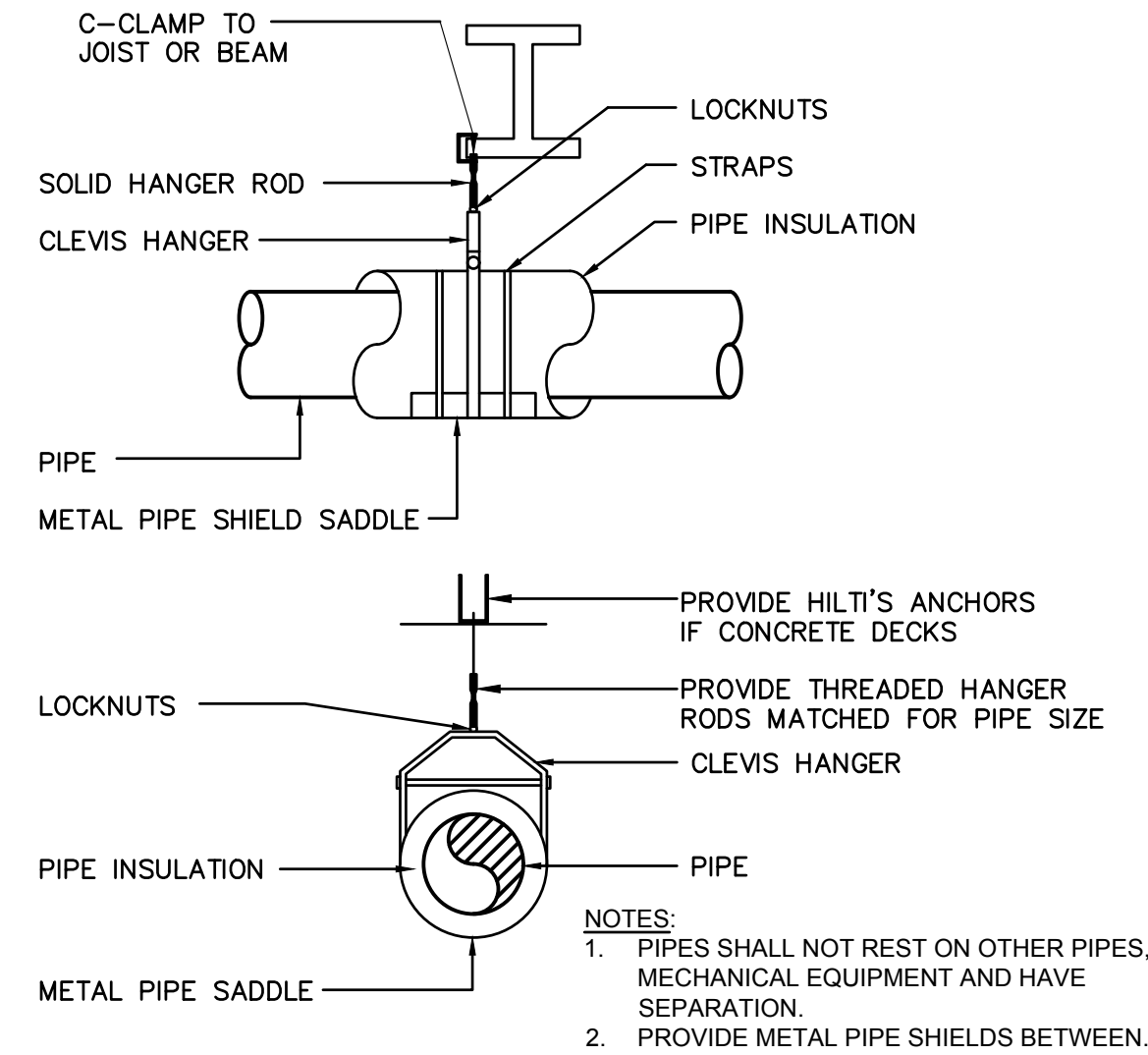
**STORAGE TANK SCHEDULE (ALTERNATE)**

UNIT NO.	LOCATION	MANUFACTURER	GAL	NOTES
ST-1	MECH ROOM	'ASSMANN COPR.' MODEL '1CT-300'	300	SEE BELOW
ST-2	MECH ROOM	'ASSMANN COPR.' MODEL '1CT-300'	300	SEE BELOW
ST-3	MECH ROOM	'ASSMANN COPR.' MODEL '1CT-300'	300	SEE BELOW
ST-4	MECH ROOM	'ASSMANN COPR.' MODEL '1CT-300'	300	SEE BELOW
ST-5	MECH ROOM	'ASSMANN COPR.' MODEL '1CT-300'	300	SEE BELOW

NOTE:  
1. TOTAL OF FIVE TANKS EQUALING TOTAL CAPACITY OF 1,500 GALLONS.  
2. TANKS SHOULD BE POLYETHYLENE CONSTRUCTION.  
3. TANK DIMENSIONS ARE 35" DIAMETER x 86" HEIGHT.  
4. APCS-35 STAND SHALL BE PROVIDED PER EACH TANK  
5. MIDDLE TANKS, 2-4, SHALL BE EQUALIZERS WITH FLEXIBLE EXPANSION JOINTS.

**WATER METER SCHEDULE**

UNIT NO.	LOCATION	MODEL NO.	GPM MAX	PRESSURE LOSS @ MAX (PSI)	SIZE
MTR-1	MECH ROOM	'BADGER METER' 'TURBO 450'	550	1.8	3"

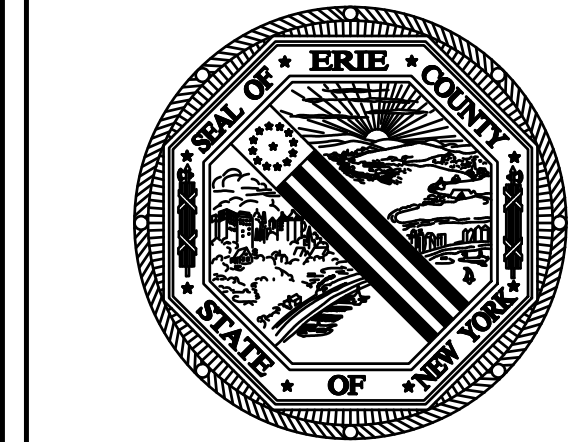


**1 HOUSEKEEPING PAD DETAIL**  
SCALE: N.T.S.

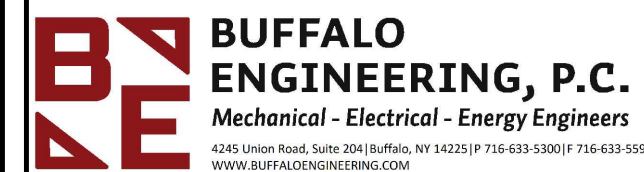
**2 SINGLE PIPE SUPPORT DETAIL**  
SCALE: N.T.S.

**GENERAL NOTES:**

- A. EXISTING UTILITIES SHOWN WERE TAKEN FROM EXISTING DRAWINGS, NOTES AND SURVEYS. PLUMBING CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF INVERTS OF EXISTING UTILITIES PRIOR TO ANY NEW CONSTRUCTION.
- B. THIS CONTRACTOR TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED TO PERFORM ALL WORK SHOWN WITH THE PROPER AUTHORITIES.
- C. COORDINATE WITH ERIE COUNTY HEALTH LAB PRIOR TO MAKING ANY SHUTDOWNS OF EXISTING SERVICES TO LIMIT DISTURBANCES TO BUILDING OPERATION.
- D. PROVIDE FINAL CONNECTION TO ALL FIXTURES AND EQUIPMENT INCLUDING ALL REQUIRED VALVES, TRAPS, SUPPLIES, REDUCERS, ETC.
- E. PROVIDE FIRESTOPPING AT ALL PENETRATIONS THROUGH RATED WALLS, FLOOR DECKS AND CEILING WITH UL LISTED FIRESTOP SEALANT.
- F. PROVIDE PLUMBING WORK IN COMPLIANCE WITH CURRENT NEW YORK STATE PLUMBING CODE BASED ON THE CURRENT IPC CODE INCLUDING NEW YORK STATE AMENDMENTS.
- G. CONTRACTOR SHALL NOT DAMAGE EXISTING FINISHES ASSOCIATED IN AREAS NOT IN CONTRACT.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING PIPE ROUTING IN FIELD PRIOR TO DEMOLITION AND NEW WORK INSTALLATIONS.
- I. CONTRACTOR SHALL REMOVE ALL UNUSED/DEAD END PIPING THAT IS ACCESSIBLE INCLUDING SANITARY, VENT, HOT AND COLD WATER PIPING. PIPING ABANDONED IN PLACE SHALL BE DRAINED AND CAPPED OR PLUGGED AT BOTH ENDS.
- J. CONTRACTOR SHALL REFER TO ABATEMENT DOCUMENTS FOR REMOVAL ASSOCIATED WITH HAZARDOUS MATERIAL PRIOR TO DEMOLITION.
- K. REFER TO DIVISION 22 PROJECT SPECIFICATIONS FOR PART 1 GENERAL CONDITIONS AND PART 3 EXECUTION REQUIREMENTS OF TRADE WORK.
- L. REMOVE ALL ABANDONED HANGERS AND PIPE INSULATION ASSOCIATED WITH PIPING BEING REMOVED.
- M. PROVIDE FOR PATCHING AND REPLACEMENT OF PIPE INSULATION DAMAGED OR REMOVED DURING THE WORK.
- N. ERIE COUNTY SHALL REMOVE EXISTING STORAGE TANKS AND NEW WORK ASSOCIATED WITH STORAGE TANKS AND PUMPS SHALL BE APART OF ALTERNATE WORK.



**ERIE COUNTY HEALTH LAB BUILDING 17 RTU REPLACEMENT**  
503 KENSINGTON AVE  
BUFFALO, NY 14214  
EC PROJECT NO. 2024-885-01



BE PROJECT #225034

CONSULTANTS



95 Perry Street, Suite 300  
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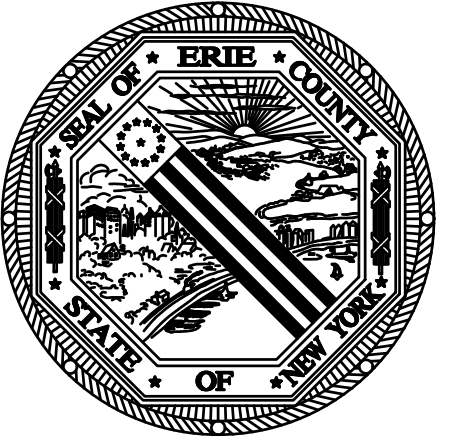
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SHEET TITLE

**PLUMBING COVER SHEET**

Date: 4/28/2026	DWG. No.
Scale: AS NOTED	<b>P001</b>
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**ERIE COUNTY  
HEALTH LAB  
BUILDING 17  
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BUFFALO, NY 14214  
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SHEET TITLE

**PLUMBING  
DEMOLITION  
PLAN**

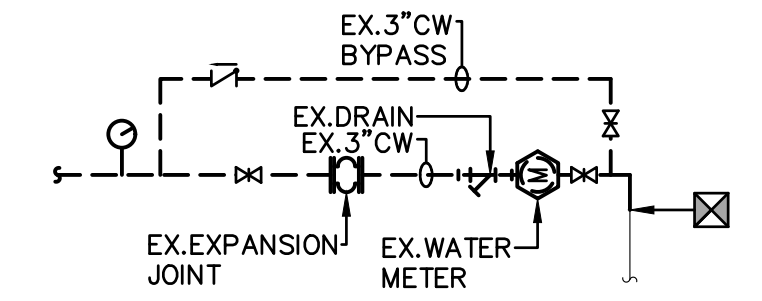
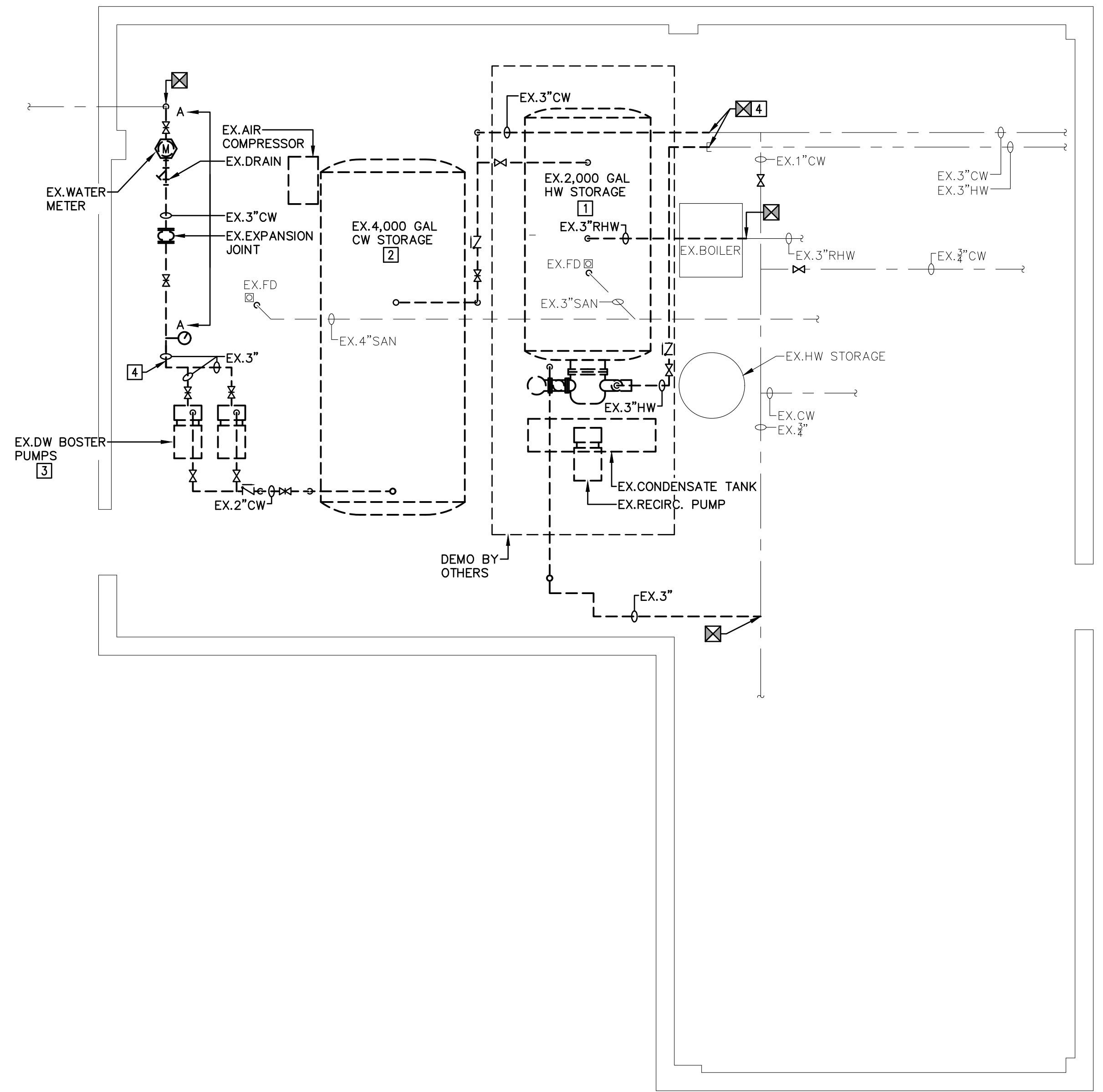
Date: 4/28/2026	DWG. No.
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- PROVIDE FOR PATCHING AND REPLACEMENT OF PIPE INSULATION DAMAGED OR REMOVED DURING THE WORK.
- ERIE COUNTY SHALL REMOVE EXISTING STORAGE TANKS AND PUMPS SHALL BE APART OF ALTERNATE WORK.

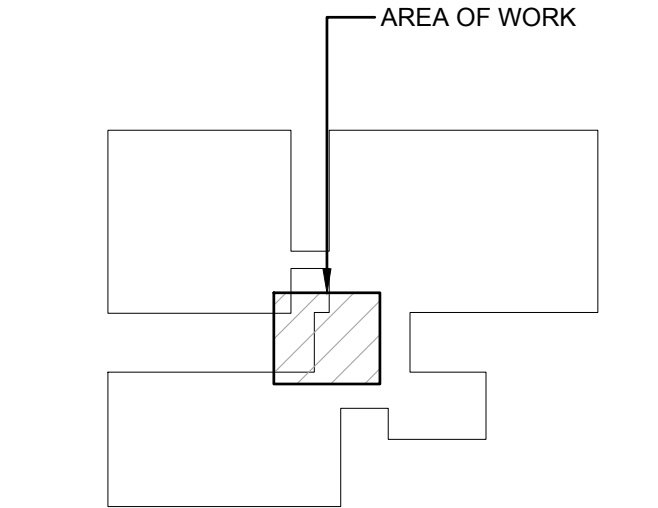
**DEMOLITION NOTES [A]:**

- REMOVAL OF EXISTING HOT WATER STORAGE TANK IN ITS ENTIRETY SHALL BE COMPLETED BY THE COUNTY. P.C. SHALL REMOVE ALL PIPING, VALVES AND RECIRCULATION PUMPS, ETC. AND DISCONNECT AND REMOVE ALL ASSOCIATED PIPING BACK TO DEMOLITION POINT. WORK ASSOCIATED WITH STORAGE TANKS SHALL BE AN ALTERNATE.
- REMOVAL OF EXISTING DOMESTIC COLD WATER STORAGE TANK IN ITS ENTIRETY SHALL BE COMPLETED BY THE COUNTY. P.C. SHALL DISCONNECT AND REMOVE ALL ASSOCIATED VALVES AND PIPING BACK TO DEMOLITION POINT. WORK ASSOCIATED WITH STORAGE TANKS SHALL BE AN ALTERNATE.
- DISCONNECT AND REMOVE EXISTING DOMESTIC WATER PUMP IN ITS ENTIRETY. REMOVE ALL VALVES AND ASSOCIATED PIPING. WORK ASSOCIATED WITH PUMPS SHALL BE AN ALTERNATE.
- DEMOLITION WORK FOR STORAGE TANKS AND PUMPS BETWEEN DEMO NOTES SHALL BE ALTERNATE WORK.



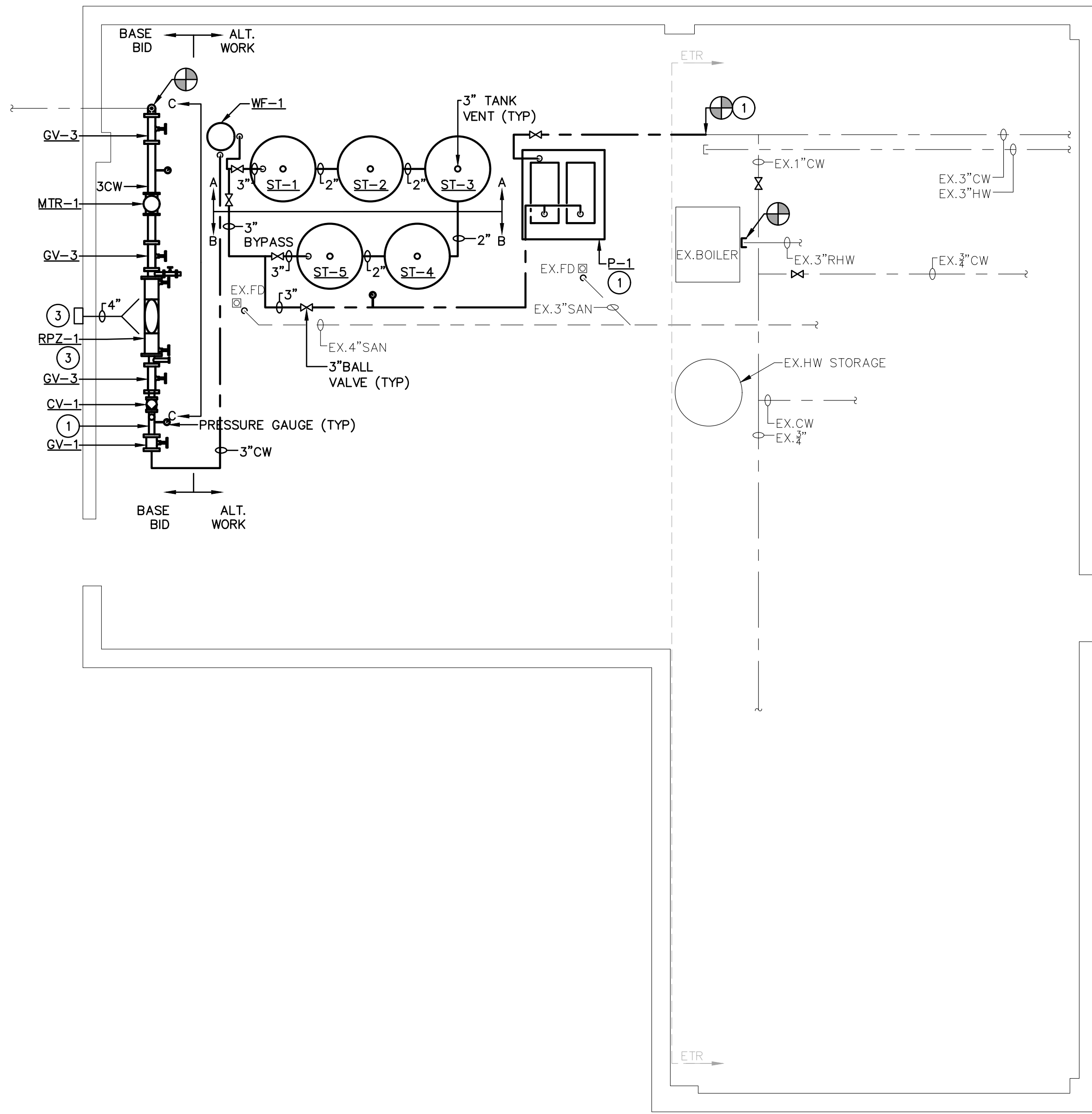
**1 ENLARGED MECH ROOM DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"

**2 DEMO SECTION A-A**  
SCALE: N.T.S.

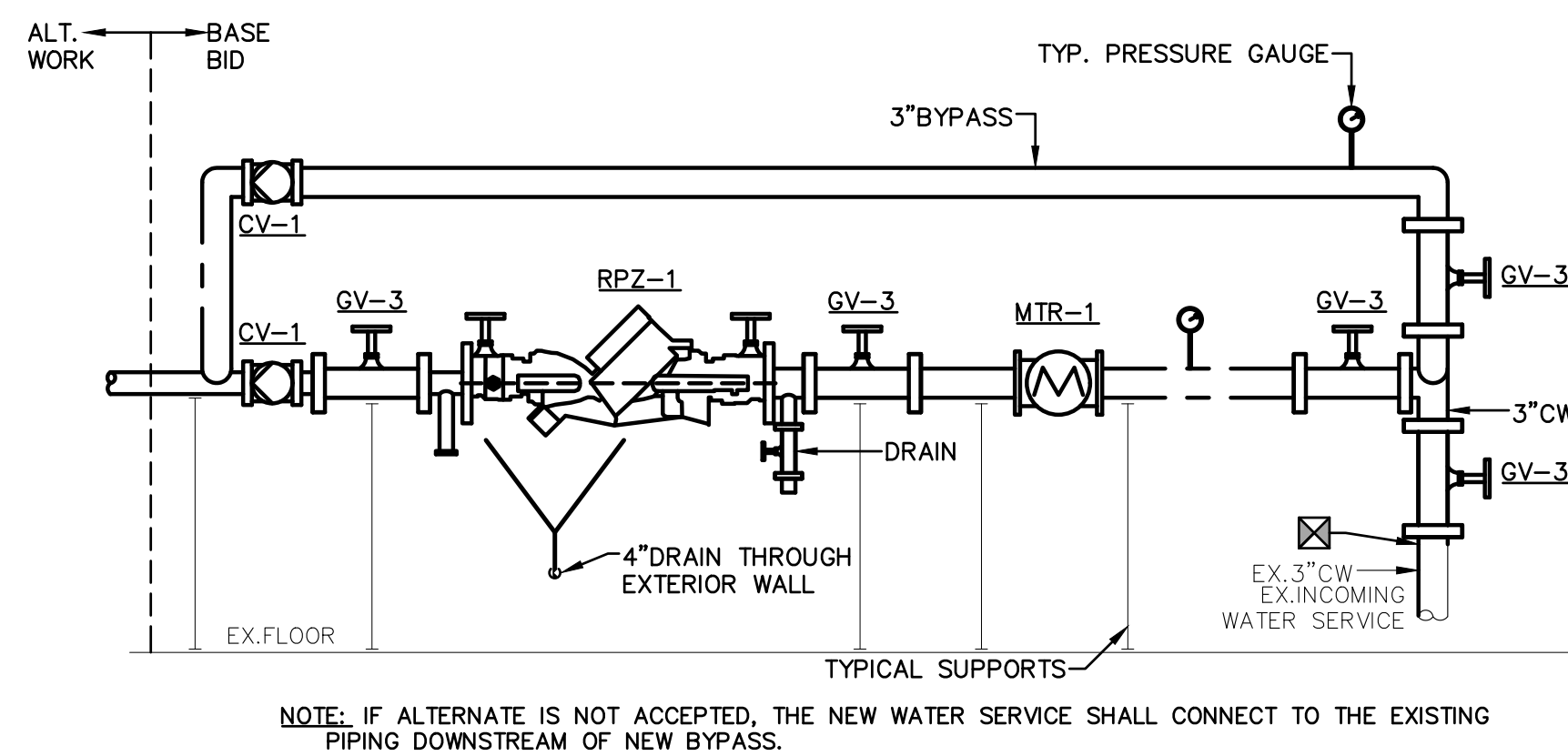


**3 KEY PLAN**  
SCALE: NTS

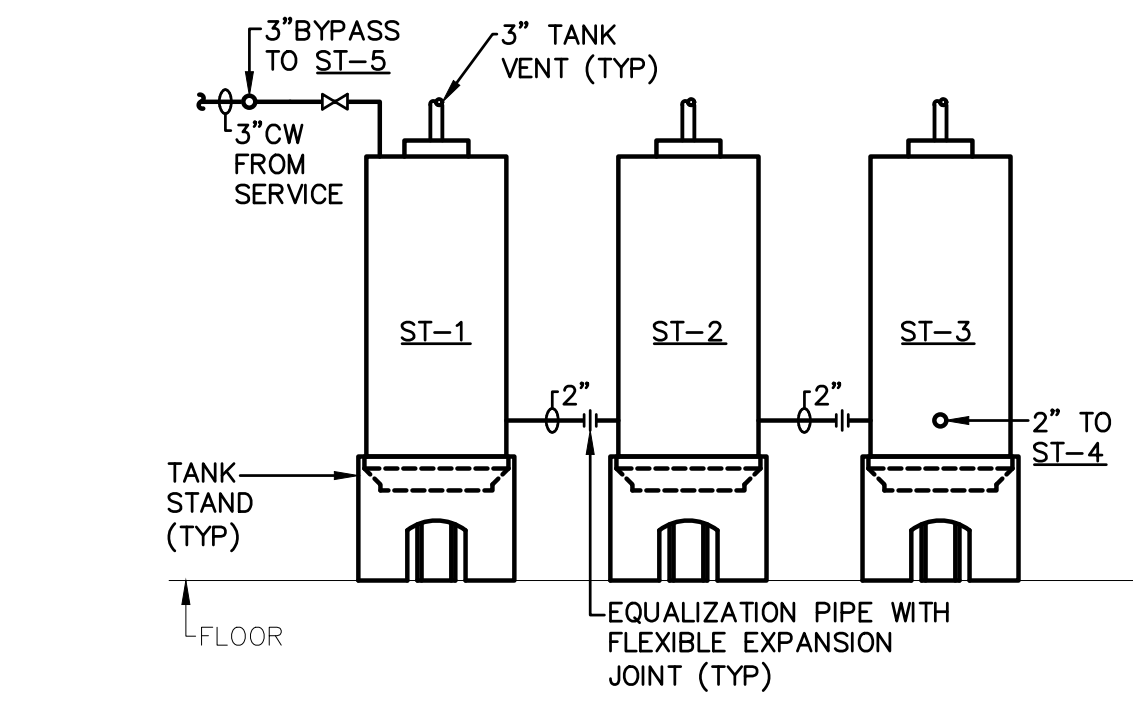
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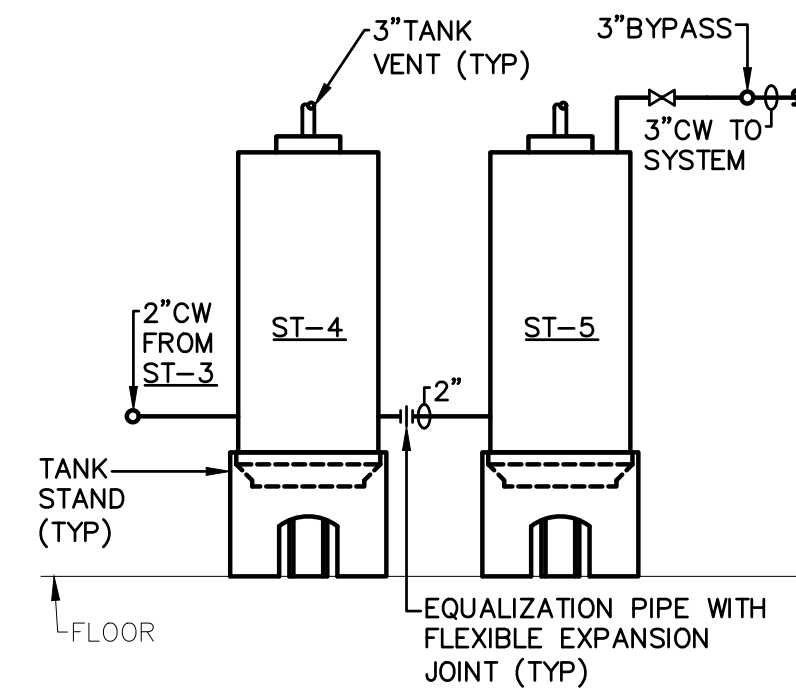
**1 ENLARGED MECH ROOM NEW WORK PLAN**  
SCALE: 1/4" = 1'-0"



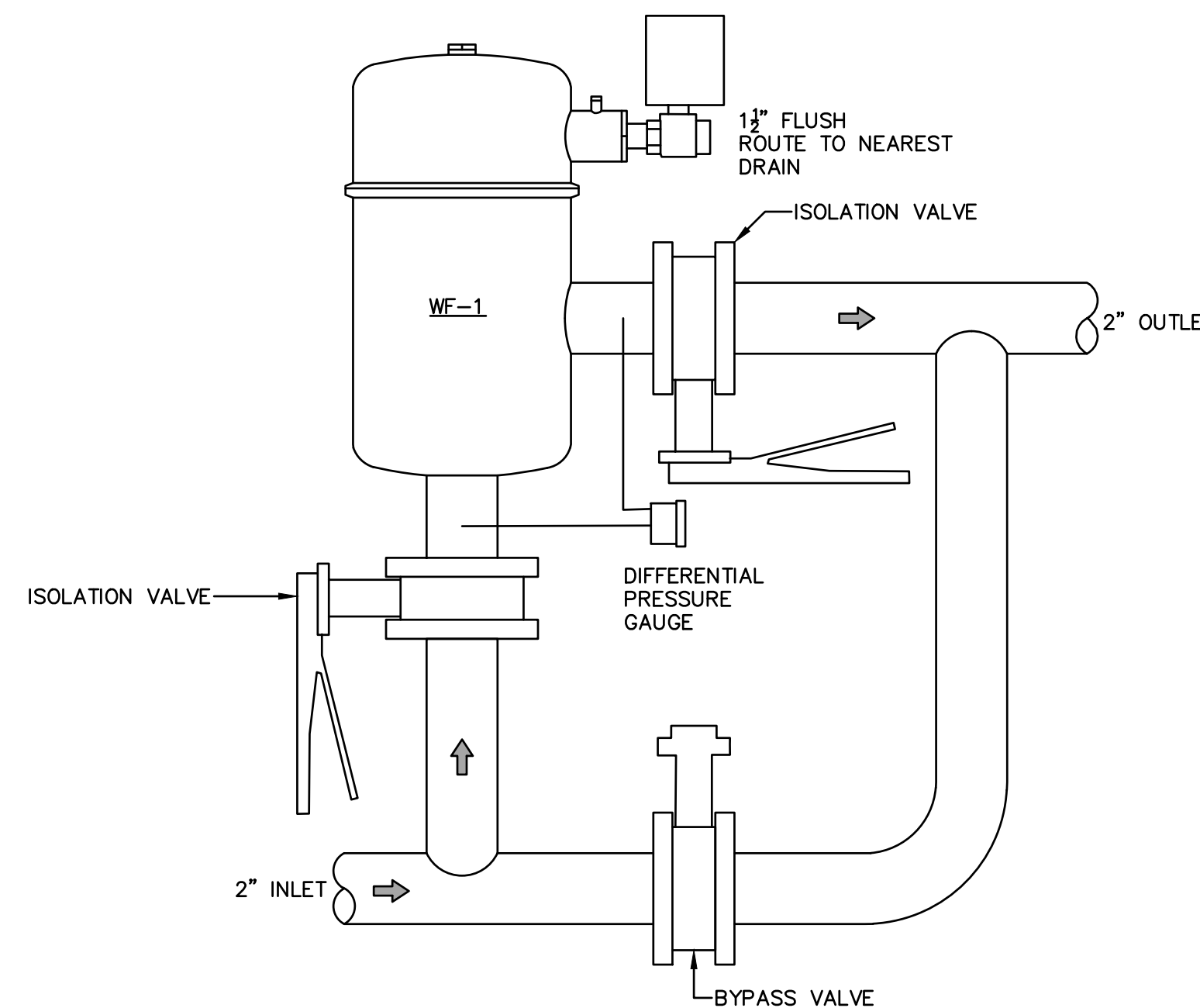
**2 SECTION C-C - BASE BID**  
SCALE: NTS



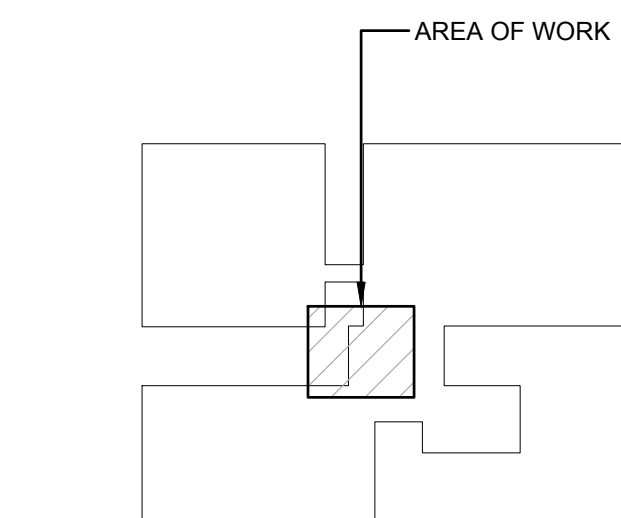
**3 SECTION A-A - PLUMBING ALTERNATE 1**  
SCALE: NTS



**4 SECTION B-B - PLUMBING ALTERNATE 1**  
SCALE: NTS



**5 WATER FILTRATION DETAIL**  
SCALE: NTS



**5 KEY PLAN**  
SCALE: NTS

**GENERAL NOTES:**

- EXISTING UTILITIES SHOWN WERE TAKEN FROM EXISTING DRAWINGS, NOTES AND SURVEYS. PLUMBING CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF INVERTS OF EXISTING UTILITIES PRIOR TO ANY NEW CONSTRUCTION.
- THIS CONTRACTOR TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND FEES REQUIRED TO PERFORM ALL WORK SHOWN WITH THE PROPER AUTHORITIES.
- COORDINATE WITH OWNER PRIOR TO MAKING ANY SHUTDOWNS OF EXISTING SERVICES TO LIMIT DISTURBANCES TO BUILDING OPERATION.
- PROVIDE FINAL CONNECTION TO ALL FIXTURES AND EQUIPMENT INCLUDING ALL REQUIRED VALVES, TRAPS, SUPPLIES, REDUCERS, ETC.
- PROVIDE FIRESTOPPING AT ALL PENETRATIONS THROUGH RATED WALLS, FLOOR DECKS AND CEILING WITH UL LISTED FIRESTOP SEALANT.
- PROVIDE PLUMBING WORK IN COMPLIANCE WITH CURRENT NEW YORK STATE PLUMBING CODE BASED ON THE CURRENT IPC CODE INCLUDING NEW YORK STATE AMENDMENTS.
- CONTRACTOR SHALL NOT DAMAGE EXISTING FINISHES ASSOCIATED IN AREAS NOT IN CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING PIPE ROUTING IN FIELD PRIOR TO DEMOLITION AND NEW WORK INSTALLATIONS.
- CONTRACTOR SHALL REMOVE ALL UNUSED/DEAD END PIPING THAT IS ACCESSIBLE INCLUDING SANITARY, VENT, HOT AND COLD WATER PIPING. PIPING ABANDONED IN PLACE SHALL BE DRAINED AND CAPPED OR PLUGGED AT BOTH ENDS.
- CONTRACTOR SHALL REFER TO ABATEMENT DOCUMENTS FOR REMOVAL ASSOCIATED WITH HAZARDOUS MATERIAL PRIOR TO DEMOLITION.
- REFER TO DIVISION 22 PROJECT SPECIFICATIONS FOR PART 1 GENERAL CONDITIONS AND PART 3 EXECUTION REQUIREMENTS OF TRADE WORK.
- REMOVE ALL ABANDONED HANGERS AND PIPE INSULATION ASSOCIATED WITH PIPING BEING REMOVED.
- PROVIDE FOR PATCHING AND REPLACEMENT OF PIPE INSULATION DAMAGED OR REMOVED DURING THE WORK.
- ERIE COUNTY SHALL REMOVE EXISTING STORAGE TANKS AND NEW WORK ASSOCIATED WITH STORAGE TANKS AND PUMPS SHALL BE APART OF ALTERNATE WORK.

**DRAWING NOTES:**

- WORK ASSOCIATED WITH THE REPLACEMENT OF THE STORAGE TANKS AND BOOSTER PUMPS SHALL BE APART OF PLUMBING ALTERNATE 1 WORK.
- CONTRACTOR TO PROVIDE SUPPORT FRAMING FOR WATER FILTRATION SYSTEM. PROVIDE 1 1/2" DRAIN PIPING FOR FLUSHING TO NEAREST DRAIN OR MOP SINK. PROVIDE FUNNEL OR MODIFY EXISTING DRAIN FOR FLOOR DRAIN CONNECTION TO ENSURE MINIMAL SPLASHING WILL OCCUR.
- PROVIDE 4" RPZ RELIEF DRAIN PIPING THROUGH EXTERIOR WALL AND PROVIDE FLAPPER VALVE WITH RODENT SCREEN ON DISCHARGE END. DISCHARGE SHALL BE MINIMUM 18" ABOVE GRADE.



**ERIE COUNTY HEALTH LAB BUILDING 17 RTU REPLACEMENT**  
503 KENSINGTON AVE  
BUFFALO, NY 14214  
EC PROJECT NO. 2024-885-01

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BE PROJECT #225034

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EXPIRATION DATE  
8-31-2026

No.	Revisions	Date
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SHEET TITLE

**PLUMBING NEW WORK PLAN**

Date: 4/28/2026	DWG. No.
Scale: AS NOTED	<b>P101</b>
Drawn By:	
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**ERIE COUNTY  
HEALTH LAB  
BUILDING 17  
RTU REPLACEMENT**  
503 KENSINGTON AVE  
BUFFALO, NY 14214  
EC PROJECT NO. 2024-885-01

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**GENERAL NOTES:**

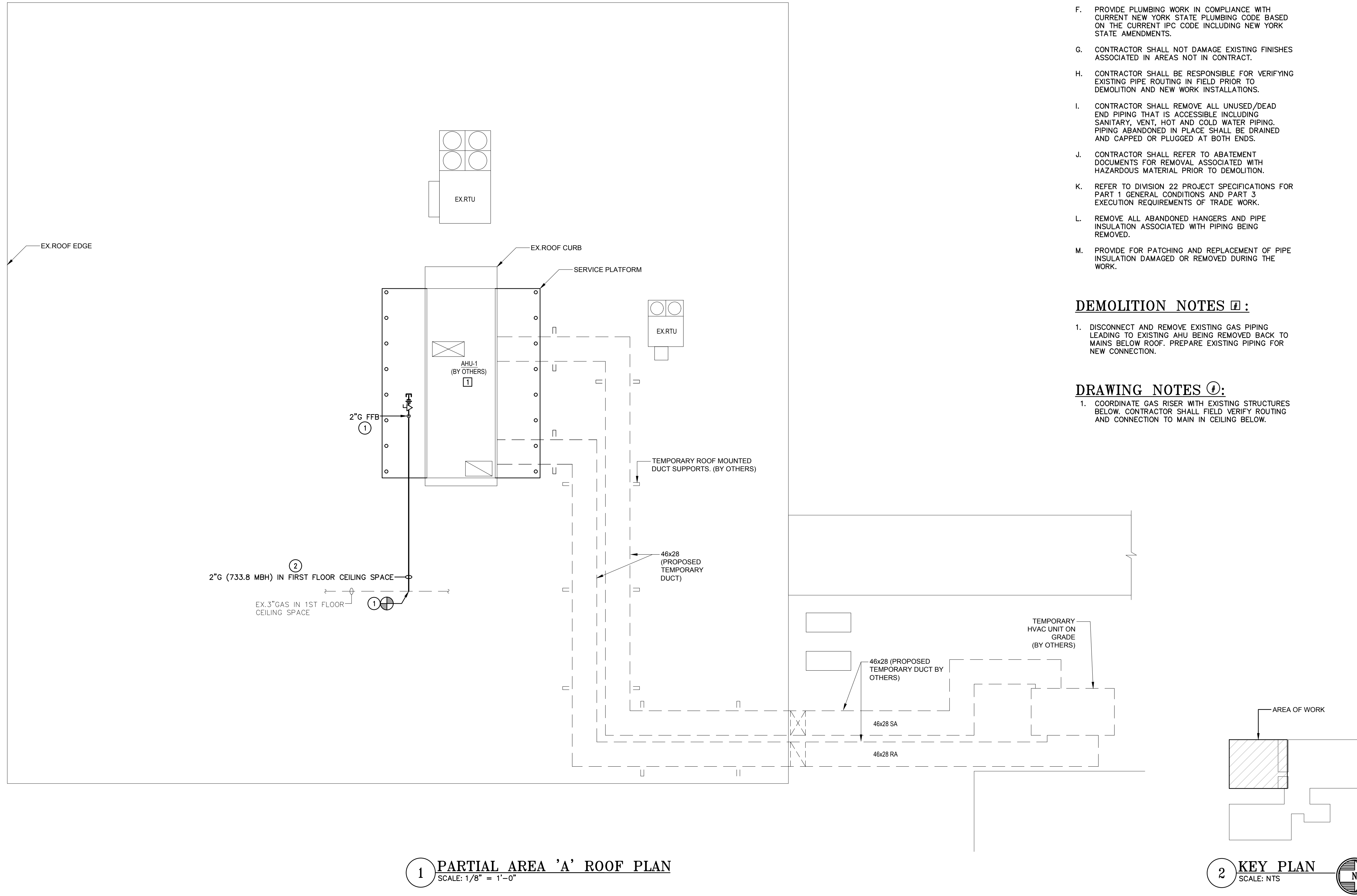
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**DEMOLITION NOTES [D]:**

- DISCONNECT AND REMOVE EXISTING GAS PIPING LEADING TO EXISTING AHU BEING REMOVED BACK TO MAINS BELOW ROOF. PREPARE EXISTING PIPING FOR NEW CONNECTION.

**DRAWING NOTES [N]:**

- COORDINATE GAS RISER WITH EXISTING STRUCTURES BELOW. CONTRACTOR SHALL FIELD VERIFY ROUTING AND CONNECTION TO MAIN IN CEILING BELOW.



**1 PARTIAL AREA 'A' ROOF PLAN**  
SCALE: 1/8" = 1'-0"

**2 KEY PLAN**  
SCALE: NTS

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SHEET TITLE

**PLUMBING  
ROOF  
PLAN**

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