

GENERAL NOTES

1. CONTRACT DRAWINGS, AS FAR AS THEY RELATE TO THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT SHALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGES TO EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST, AND MUST BE APPROVED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL MOTOR STARTERS AND DISCONNECT SWITCHES. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR HVAC EQUIPMENT SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FOR HVAC EQUIPMENT SHALL BE HEAVY DUTY TYPE.
3. LOCATE THERMOSTATS AND TEMPERATURE SENSORS 5'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL NOTE THAT, IN ADDITION TO THE SPECIFICATIONS AND DETAILS GIVEN IN THESE PLANS FOR HANGERS AND SUPPORTS, ALL HANGERS AND SUPPORTS SHALL BE DESIGNED AND INSTALLED IN COMPLIANCE WITH APPLICABLE SEISMIC CODES.
5. ALL WORK SHALL COMPLY WITH 2020 MECHANICAL CODE OF NEW YORK STATE, LOCAL BUILDING CODE, AND 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK REQUIREMENTS. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
6. WHEN GENERAL CONSTRUCTION IS COMPLETE, VACUUM CLEAN HVAC EQUIPMENT IN THE PROJECT AREA OR SERVING THE PROJECT AREA. REMOVE ANY CONSTRUCTION DEBRIS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
9. THE CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, ACCESS PANELS, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF CONTROL CONDUITS.

EQUIPMENT NOTES

1. ELECTRIC UNIT HEATERS (UH-A): SHALL BE QMARK MODEL#: MUH-15-8, 15.0 KW, 208V/3ø/60Hz, 910 CFM. PROVIDE THE FOLLOWING OPTIONS: 24V RELAY KIT, DISCONNECT SWITCH, WALL THERMOSTAT KIT.
2. ROOM TEMPERATURE SENSOR: SHALL BE SIMILAR TO PROSENSE MODEL RTD1-R01-01 ROOM TEMPERATURE SENSOR RTD TYPE. PROVIDE THERMAL BLOCK BETWEEN ROOM TEMPERATURE SENSOR AND CONCRETE WALL. PROVIDE ISOLATION RELAY FOR FUTURE BMS OR REMOTE ANNUNCIATION. PROVIDE 45 DEG. SET POINT.

SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
-	AFF	ABOVE FINISHED FLOOR
-	BTU	BRITISH THERMAL UNIT
-	CFM	CUBIC FEET PER MINUTE
-	℄	CENTERLINE
-	DB	DRY BULB TEMPERATURE
-	EL	ELEVATION
-	FPM	FEET PER MINUTE
-	FPS	FEET PER SECOND
-	LAT	LEAVING AIR TEMPERATURE
-	LF	LINEAR FEET
-	MBH	1000 BRITISH THERMAL UNITS PER HOUR
-	NIC	NOT IN CONTRACT
-	RPM	REVOLUTIONS PER MINUTE
-	SA	SUPPLY AIR
-	TYP.	TYPICAL
-	U.O.N.	UNLESS OTHERWISE NOTED
-	UH-	UNIT HEATER
▲	-	FLOW ARROW
—	EX.	EXISTING TO REMAIN
- - - - -	REL.	REMOVE AND RELOCATE
—————	NEW	NEW WORK
- - - - -	DEM.	EXISTING TO BE REMOVED
Ⓣ	-	THERMOSTAT
Ⓢ	-	SENSOR
-	UH	UNIT HEATER

PURCHASE ST.
ROUTE 120

NEW AIRPORT RD.
BUILDING LOCATION

INTERSTATE 684

AIRPORT RD.
ROUTE 135

LAKE ST.

PURCHASE ST.
ROUTE 120

TOWER RD.

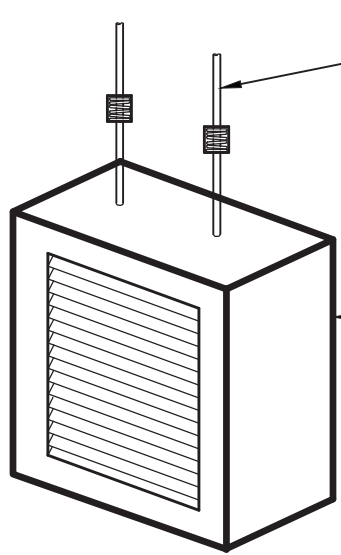
NEW TOWER RD.
BUILDING LOCATION



1

SITE LOCATION MAP

SCALE: NONE



HANG UNIT WITH THREADED
RODS WITH VIBRATION
ISOLATORS FROM BUILDING
STRUCTURE.

ELECTRIC UNIT HEATER

- NOTES:
- 1.) HANG UNIT WITH THREADED RODS CONTAINING SPRING TYPE VIBRATION ISOLATORS FROM BUILDING STRUCTURAL MEMBERS.
- 2.) SUSPEND UNIT HEATERS SECURELY WITH PROVISIONS FOR EASY REMOVAL AND REPAIR.
- 3.) INSTALL UNITS SO THAT THEY HANG LEVEL IN THE VERTICAL AND HORIZONTAL.
- 4.) PROVIDE A ROOM THERMOSTAT ARRANGED TO OPEN CONTROL VALVE AND CYCLE THE FAN ON A CALL FOR HEAT.

VERTICAL UNIT

HEATER PIPING DETAIL

SCALE: NONE

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OLA Consulting Engineers
50 Broadway,
Hawthorne, NY 10532
914.747.2800

8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110

olace.com NWC90027.00



D&B ENGINEERS
AND
ARCHITECTS, P.C.
4 WEST RED OAK LANE
WHITE PLAINS, NY,
10604
(914)467-5300

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RECORD DRAWING CERTIFICATION

- ☐ AS BUILT - CHANGES AS NOTED
- ☐ AS BUILT - NO CHANGES

CONTRACTOR

NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR

NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION
DIVISION OF ENGINEERING

DOMESTIC WATER SYSTEM IMPROVEMENTS, WESTCHESTER COUNTY AIRPORT
TOWNS OF HARRISON, NORTH CASTLE & VILLAGE OF RYE BROOK
MECHANICAL
SYMBOLS, ABBREVIATIONS, & GENERAL NOTES

CONTRACT
NUMBER
22-522

SHEET
NUMBER
M-001

SHEET NO. 50 OF 61

SCALE: AS SHOWN

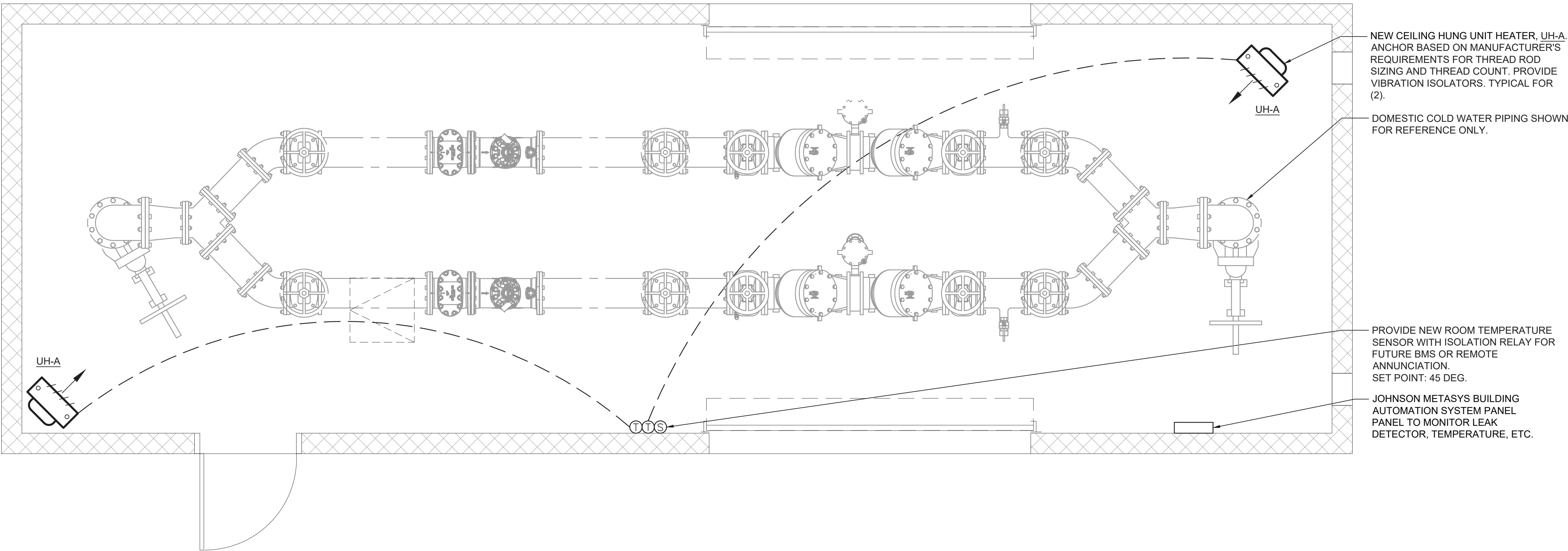
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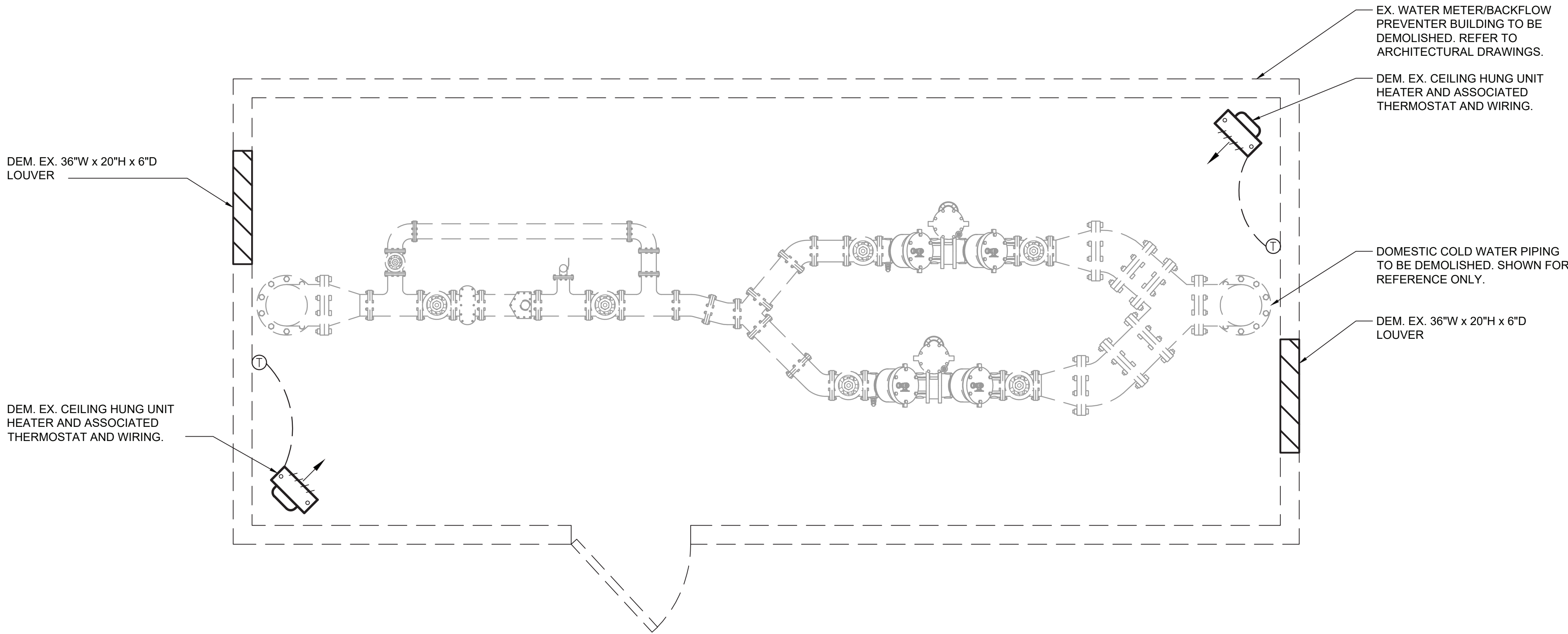
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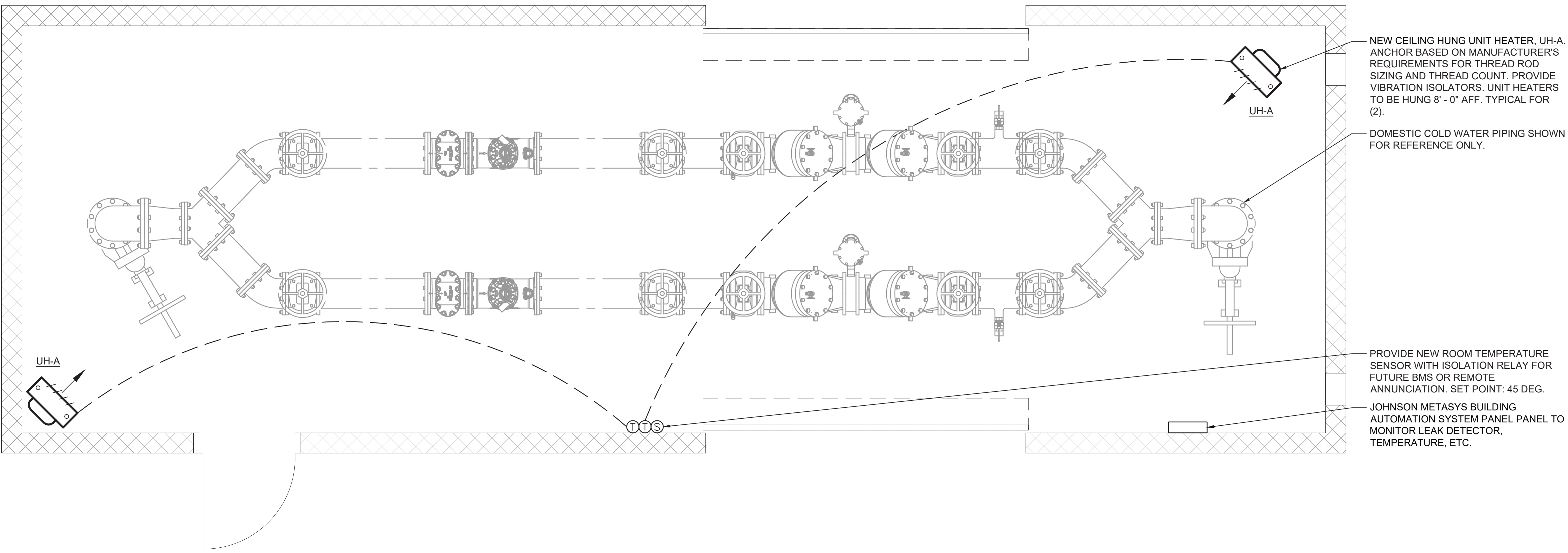
 **2** MECHANICAL NEW WORK PLAN - TOWER RD
SCALE: 1/2" = 1'-0"



 **1** MECHANICAL DEMOLITION PLAN - TOWER RD
SCALE: 1/2" = 1'-0"



0 2' 4'

 OLA Consulting Engineers 50 Broadway, Hawthorne, NY 10532 914.747.2800 8 West 38th Street, Suite 501 New York, NY 10018 646.849.4110 olace.com NWC90027.00	 D&B ENGINEERS AND ARCHITECTS, P.C. 4 WEST RED OAK LANE WHITE PLAINS, NY, 10604 (914)467-5300	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.						RECORD DRAWING CERTIFICATION				WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 22-522	SHEET NUMBER M-201		
		IN CHARGE OF <u>JW</u>	CHECKED BY <u>CED</u>	MADE BY <u>NL</u>	REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES		CONTRACTOR NAME _____ SIGNATURE _____ TITLE _____ DATE _____		PROJECT COORDINATOR NAME _____ SIGNATURE _____ TITLE _____ DATE _____		DOMESTIC WATER SYSTEM IMPROVEMENTS, WESTCHESTER COUNTY AIRPORT TOWNS OF HARRISON, NORTH CASTLE & VILLAGE OF RYE BROOK MECHANICAL DEMOLITION & NEW WORK PLAN - TOWER RD	



 **1** **MECHANICAL NEW WORK PLAN - AIRPORT RD**
SCALE: 1/2" = 1'-0"

0 2' 4'

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