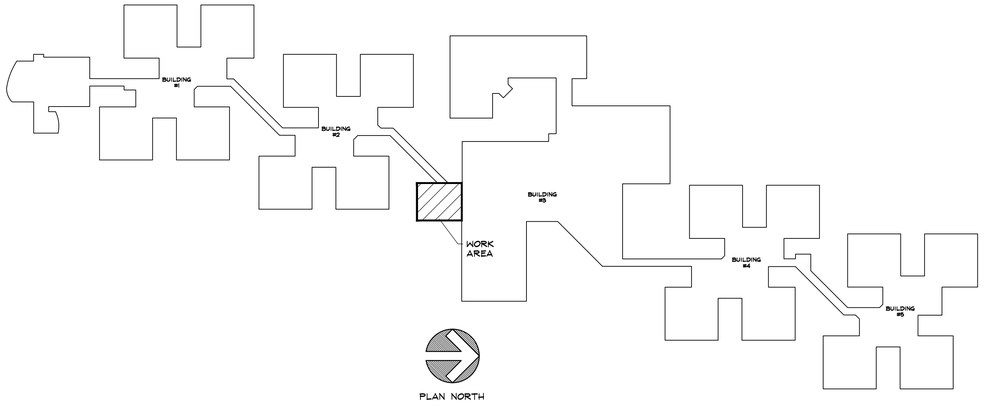
4 / M100 MAKEUP AIR HANDLER COIL
SCALE: N.T.S.

3 / M100 MAKEUP AIR HANDLER PIPING
SCALE: N.T.S.

KEY PLAN



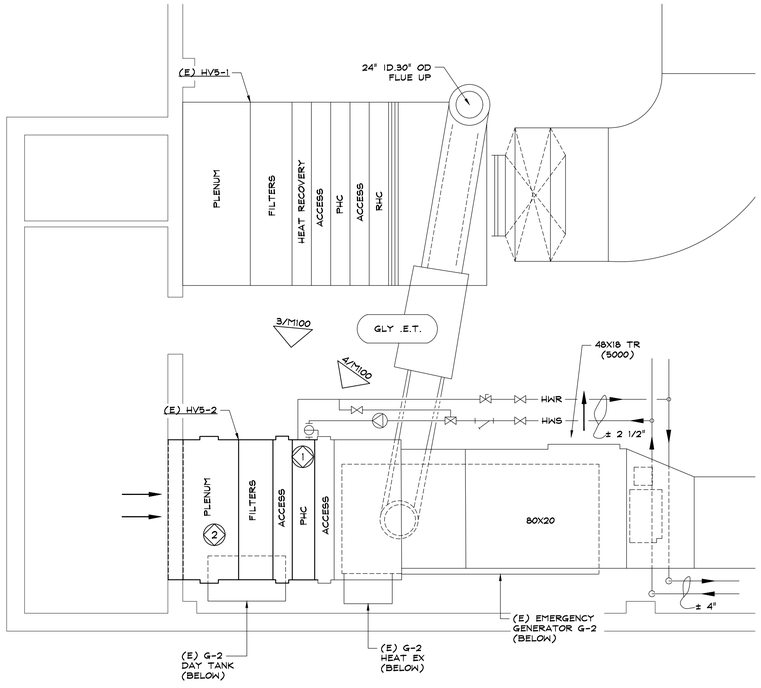
LEGEND

- KEYED NOTE
- INDICATES REMOVALS
- INDICATES HIDDEN
- (E) EXISTING
- DEMOLITION NOTE
- PRESSURE REDUCING VALVE
- GATE VALVE
- STRAINER
- BALL VALVE
- M100 EXISTING CONDITIONS PHOTOGRAPH

GENERAL NOTES

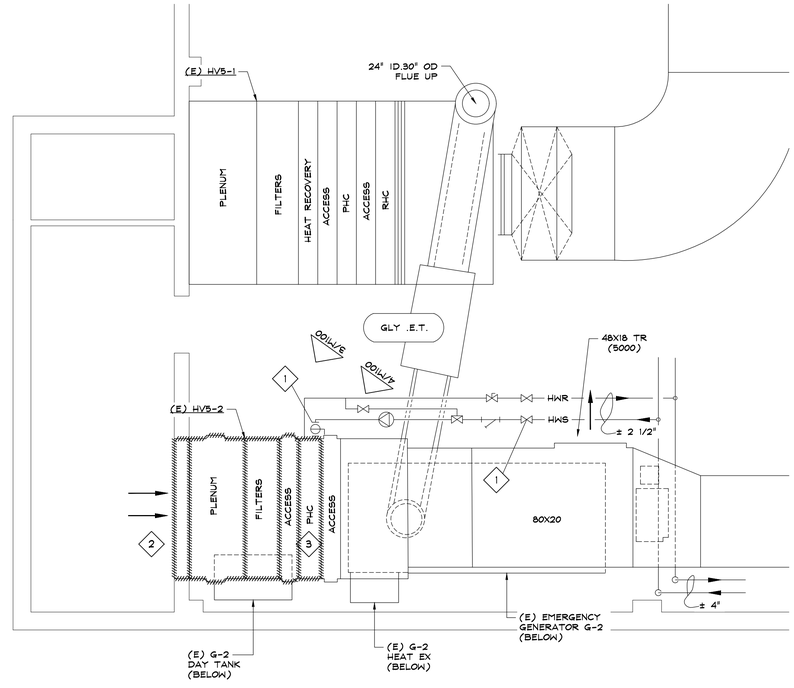
1. THIS DRAWING IS INTENDED TO BE A SCHEMATIC REPRESENTATION OF THE GENERAL MECHANICAL HVAC SYSTEM DESIGN INTENT AND DOES NOT SHOW ALL DAMPERS, VALVES, PIPING, OR WIRING CONTROLS NECESSARY FOR CONSTRUCTION. THE CONTRACTOR HAS BEEN QUALIFIED UNDER THE SPECIFICATIONS AND IS EXPECTED TO COORDINATE IN ALL INSTALLATION REQUIREMENTS WITH THE EQUIPMENT MANUFACTURERS, FOLLOW ALL APPLICABLE CODES, RULES, REGULATIONS, AND PROVIDE ALL NECESSARY PARTS AND COMPONENTS NECESSARY FOR A COMPLETE OPERATIONAL SYSTEM INSTALLATION UNDER THE CONTRACT PRICE.
2. COORDINATE WORK WITH THE CIVIL, ARCHITECTURAL, FIRE PROTECTION, PLUMBING AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF CONSTRUCTION DEBRIS, WASTE, AND MATERIAL IN ACCORDANCE WITH ALL APPLICABLE CODES, LAWS AND REGULATIONS.
4. THE CONTRACTOR SHALL AT ALL TIMES, KEEP ALL EXITS FREE AND CLEAR OF DEBRIS.
5. CONTRACTOR TO ENSURE ALL HVAC WORK BE IN COMPLIANCE WITH SMACNA STANDARDS.
6. ALL CONTROL WIRING BY DIVISION 23

HEATING COIL													
UNIT	SERVICE	AIRFLOW C.F.M.	ENTERING TEMP D.B.°F.	LEAVING TEMP D.B.°F.	MAX P.D. DROP IN.H,O	ENTERING WATER TEMP °F	LEAVING WATER TEMP °F	FLOW RATE GPM	MAX PRESS DROP FT.H,O	SYSTEM FACE AREA FT²	TOTAL MBH	MANUFACTURER	MODEL
HV5-2	PREHEAT	15000	-10	60	0.11	230	183	50	6.7	24.7	1132.2	AEROFIN	CH-14.0CE-24.9 X 84.0-1-0.5



2 / M100 REFRIGERATION ROOM PLAN-NEW
SCALE: 1/4" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"



1 / M100 REFRIGERATION ROOM PLAN- DEMO
SCALE: 1/4" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

DEMOLITION NOTES

1. PROVIDE SHUTDOWN OF EXISTING HOT WATER SUPPLY AND RETURN TO EXISTING PREHEAT COIL ON MAKEUP AIR HANDLER HV5-2. REMOVE EXISTING PIPING AS REQUIRED TO FACILITATE REPLACEMENT OF PREHEAT COIL. FIELD VERIFY EXACT EXTENTS OF PIPING REMOVALS. PREPARE REMAINING PIPING TO RECIEVE NEW WORK.
2. REMOVE EXISTING PLENUM, FILTER ASSEMBLY, AND ALL ASSOCIATED APPURTENANCES AS REQUIRED TO GAIN ACCESS TO EXISTING PREHEAT COIL ON MAKEUP AIR HANDLER HV5-2. SALVAGE EXISTING COMPONENTS TO THE GREATEST EXTENT POSSIBLE.
3. REMOVE EXISTING PREHEAT COIL FROM HV5-2 MAKEUP AIR HANDLER. PREPARE FLANGE ON EXISTING MAKEUP AIR HANDLER UNIT TO RECIEVE NEW WORK.

KEYED NOTES

1. PROVIDE NEW AEROFIN PREHEAT COIL CH-14.0CE FOR EXISTING HV5-2 MAKEUP AIR HANDLER. CONNECT NEW PREHEAT COIL TO EXISTING HOT WATER SUPPLY AND RETURN PIPING AND RECHARGE GLYCOL SYSTEM AS NECESSARY.
2. REINSTALL SALVAGED FILTER ASSEMBLY, PLENUM, AND ALL ASSOCIATED APPURTENANCES IN THEIR ENTIRETY. ALTER EXISTING PLENUM AND COMPONENTS AND/OR PROVIDE NEW PLENUM AND COMPONENTS AS REQUIRED TO INTERFACE WITH NEW PREHEAT COIL.

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PHILIP NILES NELSON — STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER
EXPIRATION: 08/31/2025

PROJECT TITLE
BROOME DDSO MAKEUP AIR HANDLER
249 GLENWOOD ROAD
BINGHAMTON, NEW YORK 13905

PROJECT NO. 23-2303

REVISION	DATE	BY

DATE	11/11/2024
DRAWN BY	OA
CHECKED BY	PNN
APPROVED BY	PNN
SCALE	AS NOTED

SHEET TITLE
PARTIAL REFRIGERATION ROOM PLANS, SCHEDULES AND PHOTOS

SHEET NO.
M100