LEGEND

1	KEYED NOTE
//////////	INDICATES REMOVALS
- - - - - - - - -	INDICATES HIDDEN
(E)	EXISTING
1	DEMOLITION NOTE

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

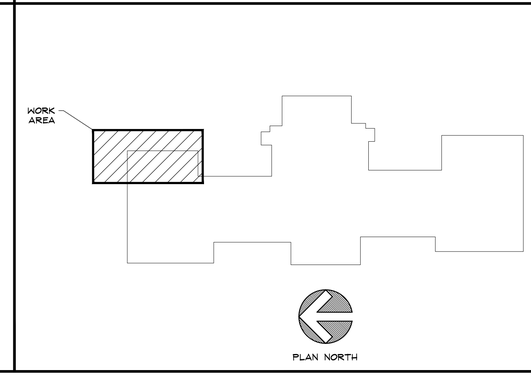
DEMOLITION NOTES

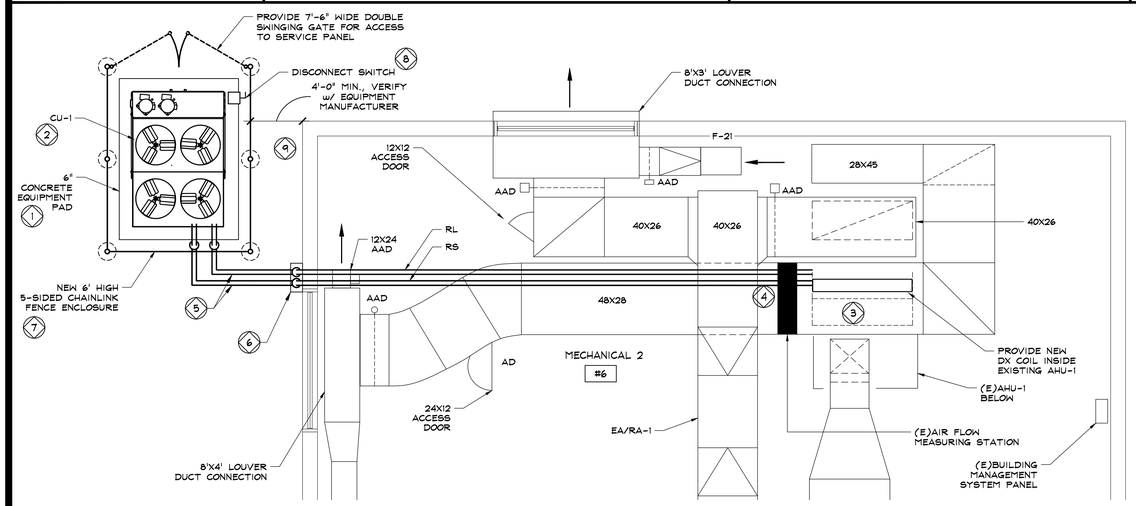
1. HVAC CONTRACTOR TO REMOVE EXISTING ACCU-1 IN ITS ENTIRETY.
2. HVAC CONTRACTOR TO REMOVE EXISTING DX COIL.
3. HVAC CONTRACTOR TO REMOVE EXISTING REFRIGERANT PIPING BETWEEN EXISTING ACCU AND EXISTING DX COIL IN ITS ENTIRETY.
4. GENERAL CONTRACTOR TO REMOVE EXISTING 6" CONCRETE PAD. PREPARE EXISTING AREA TO RECEIVE NEW WORK.
5. GENERAL CONTRACTOR TO REMOVE EXISTING CHAIN-LINK FENCE ENCLOSURE IN ITS ENTIRETY.
6. ELECTRICAL CONTRACTOR TO REMOVE EXISTING DISCONNECT SWITCH IN ITS ENTIRETY. SALVAGE EXISTING SWITCH FOR REUSE.

KEYED NOTES

1. GENERAL CONTRACTOR TO PROVIDE A 6" CONCRETE PAD. REFER TO DETAIL 1/M100.
2. HVAC CONTRACTOR TO PROVIDE AND INSTALL NEW OUTSIDE CONDENSING UNIT CU-1. REFER TO CONDENSING UNIT SCHEDULE.
3. HVAC CONTRACTOR TO PROVIDE AND INSTALL NEW DX COIL IN EXISTING AIR HANDLING UNIT. REFER TO COOLING COIL SCHEDULE.
4. HVAC CONTRACTOR TO FIELD MODIFY EXISTING AIR HANDLING UNIT DX COIL REFRIGERANT PIPING OPENING CONNECTIONS AS REQUIRED TO FACILITATE INSTALLATION OF NEW DX COIL REFRIGERANT LINES.
5. HVAC CONTRACTOR TO ROUTE REFRIGERANT PIPING BETWEEN PROGRAM BUILDING AND CONDENSING UNIT THROUGH 4-INCH SCH. 40 PVC BELOW GRADE. PROVIDE ALL APPURTENANCES NECESSARY FOR BELOW GRADE INSTALLATION.
6. HVAC CONTRACTOR TO PROVIDE AND INSTALL COVER FOR REFRIGERANT PIPING LINE SET EXPOSED TO VIEW ALONG EXTERIOR FACE OF THE PROGRAM BUILDING. BASIS OF DESIGN: SPEEDICHANNEL BY DIVERSITECH OR APPROVED EQUAL.
7. GENERAL CONTRACTOR TO PROVIDE AND INSTALL NEW 5-SIDED CHAIN LINK FENCE ENCLOSURE AROUND OUTSIDE CONDENSING UNIT. LOCATE 7'-6" WIDE DOUBLE SWING GATE AS SHOWN FOR ACCESS TO SERVICE PANEL. REFER TO DETAIL 2/M100.
8. ELECTRICAL CONTRACTOR TO REINSTALL EXISTING DISCONNECT SWITCH. SECURE TO SIDE OF NEW CONDENSING UNIT. CONNECT TO NEW CONDENSING UNIT AND CIRCUIT BACK TO EXISTING SOURCE. ROUTE CONDUIT BELOW GRADE BETWEEN EXISTING PROGRAM BUILDING AND DISCONNECT SWITCH. RUN CONDUIT ALONG EXTERIOR FACE OF PROGRAM BUILDING THROUGH ENCLOSURE FOR REFRIGERANT PIPING LINE SET.
9. ELECTRICAL CONTRACTOR TO REINSTALL EXISTING COMMUNICATION LINE. CONNECT TO NEW CONDENSING UNIT AND CIRCUIT BACK TO EXISTING SOURCE AT THE BUILDING MANAGEMENT SYSTEM.

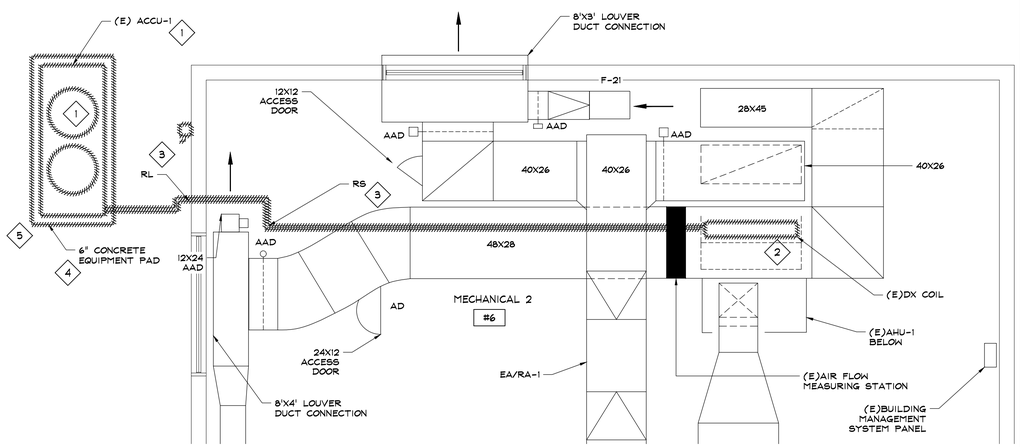
KEY PLAN





5 M100 **FIRST FLOOR PLAN**
SCALE: 1/4" = 1'-0"

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

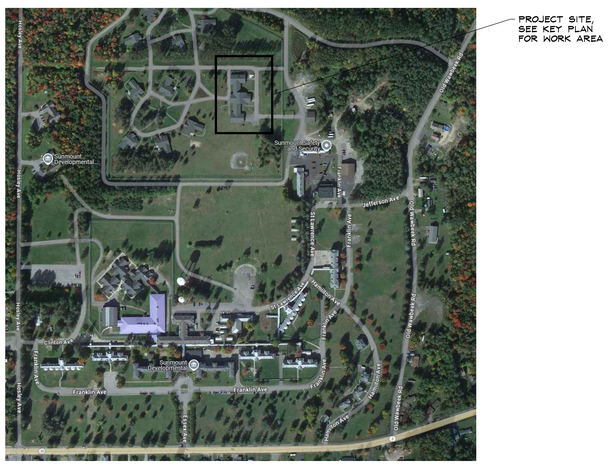


4 M100 **DEMOLITION PLAN**
SCALE: 1/4" = 1'-0"

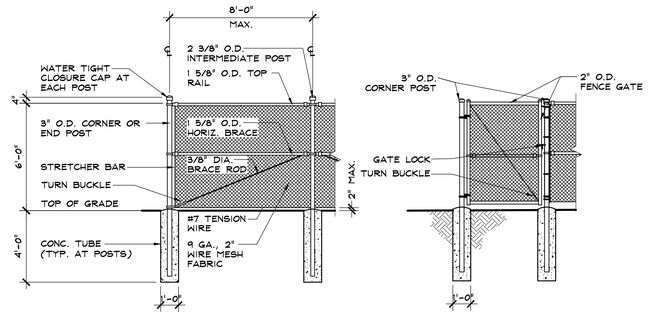
SCALE: 1/4" = 1'-0"

CONDENSING UNIT SCHEDULE											
UNIT NO.	UNIT LOCATION	UNIT SIZING (IN)			AMBIENT TEMP (DB/WB)	EER RATING BTU/h.W	RATED COOLING CAPACITY BTUH/HR	ELECTRICAL DATA		BASIS OF DESIGN		
		H	W	D				VOLTAGE	MCA	MAKE	MODEL	NOTE
CU-1	OUTDOOR	67 1/4	63	91	95°F/75°F	11.8	312,500	208/60/3	125	AAON	CFA-030-C-A-8-LA00N	(1)

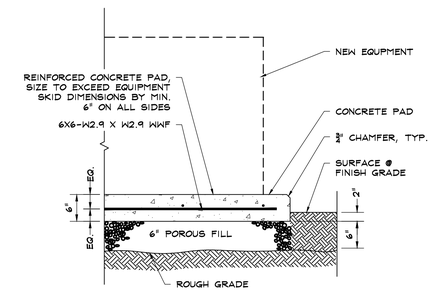
COOLING COIL										
UNIT NO.	ROWS	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	APD (INWG)	SENS MBH	TOT MBH	SCFM	MFR/MODEL
AHU-1	4	80	67	53.46	51.89	0.31	187.01	297.36	6500	DIRECT COIL 4DX-04-37.5-10-62.0-19



3 M100 **SITE PLAN**
SCALE: NONE



2 M100 **CHAIN LINK FENCE AND GATE DETAIL**
SCALE: NONE

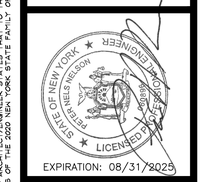


1 M100 **6" CONCRETE EQUIPMENT BASE DETAIL**
SCALE: NONE

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ARCHITECT/ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. ALTERATIONS MUST HAVE THE SEAL AFFIXED ALONG WITH A DESIGNATION OF THE ENGINEER OR ARCHITECT THAT PERFORMED THE ALTERATIONS AND THE DATE OF SUCH ALTERATIONS.

NELSON ASSOCIATES
ARCHITECTURAL ENGINEERING
1 North Park Row • Clinton, NY 13323-1536

CERTIFICATE OF AUTHORIZATION No. 0021429



EXPIRATION: 08/31/2025

PROJECT TITLE
SUNMOUNT DDSO RIT#1
PROGRAM BUILDING AC DESIGN
2445 STATE RT 30
TUPPER LAKE, NEW YORK 12986

PROJECT NO. 24-2315

REVISION	DATE	BY

DATE	03/14/2025
DRAWN BY	OA
CHECKED BY	PNN
APPROVED BY	PNN
SCALE	AS NOTED

SHEET TITLE
FLOOR PLANS, SCHEDULES, AND DETAILS

SHEET NO.
M100