


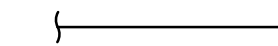





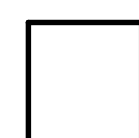

## GENERAL NOTES

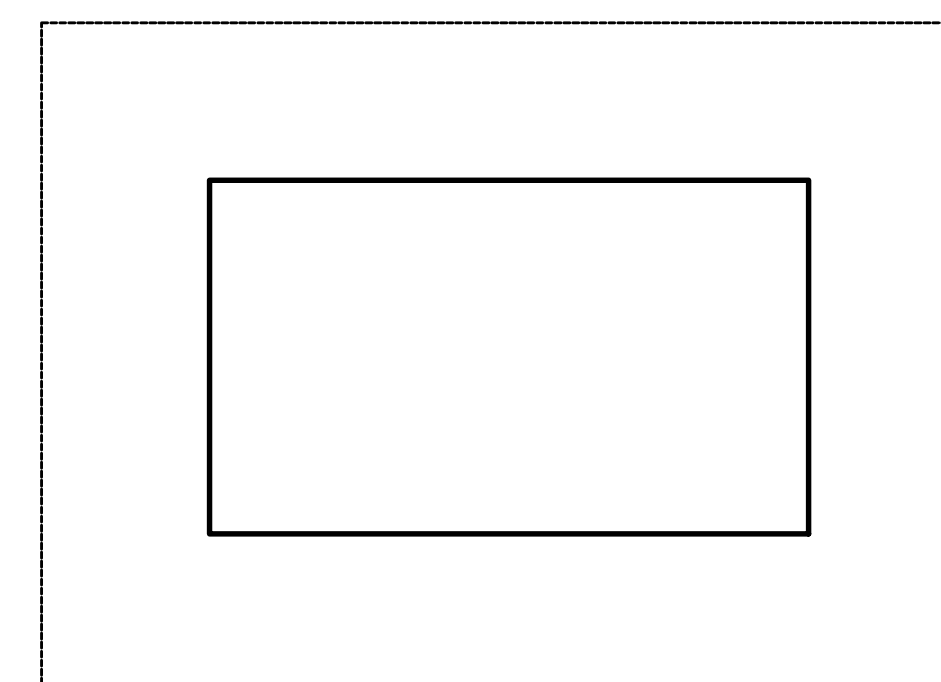
1. INSTALL A COMPLETE AND OPERABLE MECHANICAL SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. HVAC DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT.
3. INSTALL ALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE ANY DUCTWORK OR PIPING IS FABRICATED.
6. THE CONTRACTOR SHALL MAKE OFFSETS AND MINOR ADJUSTMENTS AS REQUIRED FOR SYSTEM INSTALLATIONS.
7. ALL EQUIPMENT, PIPING, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED, SPECIFIED, AND REQUIRED TO PROVIDE A VIBRATION-FREE INSTALLATION.
8. ALL NEW BOILER VENT PIPE SHALL BE RATED FOR NO LESS THAN 550 °F.
9. BOILER VENT PIPE SHALL BE SUPPORTED WITH NO LESS THAN 5" SPACING.
10. ALL HORIZONTAL BOILER VENT PIPE SHALL SLOPE NO LESS THAN 1" PER 4' OF RUN.
11. COORDINATION WITH ALL TRADES IS REQUIRED FOR ALL WORK UNDER THIS CONTRACT.
12. THE CONTRACTOR SHALL VISIT THE JOB SITE TO STUDY DETAILS OF THE WORK, WORKING CONDITIONS, AND VERIFY CONDITIONS IN THE FIELD.
13. VERIFY COLLAR SIZES ON ALL EQUIPMENT INLETS AND OUTLETS AND TRANSITION DUCTWORK AND PIPING AS NECESSARY.
14. INSULATE ALL NEW CHILLED WATER PIPING IAC ASHRAE 90.1 TABLE 6.8.3-2.
15. PROVIDE ALUMINUM JACKET ON ANY NEW CHILLED WATER PIPING LOCATED OUTDOORS.
16. THE SPACE ABOVE THE FIRST FLOOR FINISHED CEILING IS A RETURN AIR PLENUM. THE CONTRACTOR SHALL USE ONLY MATERIALS RATED FOR USE IN RETURN AIR PLENUM AND SHALL EXERCISE SPECIAL CARE TO ENSURE THAT THE PLENUM IS CONSTRUCTED AIRTIGHT. SEAL ALL JOINTS, OPENINGS, AND PENETRATIONS.
17. INSTALL ALL EQUIPMENT AND DUCTWORK SUCH THAT MANUFACTURERS RECOMMENDED CLEARANCES ARE MET FOR ALL ACCESS PANELS, MOTORS, FANS, BELTS, FILTERS, AND INTAKES.
18. ALL DUCTWORK SHALL BE GALVANIZED METAL CONSTRUCTION.
19. PIPE ROUTING SHALL NOT INTERFERE WITH FILTER REMOVAL OR ACCESS DOORS.
20. SEAL ALL PENETRATIONS OF WALLS AIRTIGHT, REGARDLESS OF WHETHER WALLS ARE FIRE RATED OR NOT.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
22. SUPPORTS AND HANGERS FOR DUCTWORK AND PIPING SHALL PRESENT A NEAT AND ORDERLY APPEARANCE.
23. DETAILS ARE FOR TYPICAL INSTALLATION. THE MANUFACTURER'S INSTALLATION GUIDELINES SUPERCEDE DETAILS IF THERE IS A CONFLICT.
24. ALLOWANCE SHALL BE MADE FOR A TEST AND BALANCE CONTRACTOR TO CONDUCT A PRE-TAB READING ON ALL CHILLED AND HOT WATER FLOWS PRIOR TO DEMOLITION OF EXISTING SYSTEM AS WELL AS BALANCING THE NEW SYSTEM TO VALUES READ DURING THE PRE-TAB.
25. NEW CHILLED WATER PUMP, HOT WATER PUMP, CHILLER, AND BOILER SHALL BE CONNECTED TO A NEW DDC SYSTEM COMPLETE WITH BUILDING GRAPHICS, EQUIPMENT GRAPHICS, SETPOINT OVERRIDES, AND MONITORING CAPABILITIES.

## MECHANICAL ABBREVIATIONS

CHW	CHILLED WATER
CHWS/R	CHILLED WATER SUPPLY/RETURN
°F	DEGREE FAHRENHEIT
DN	DOWN
EA	EACH
EF	EXHAUST FAN
EXH	EXHAUST
HW	HOT WATER
HWS/R	HOT WATER SUPPLY/RETURN
MAX	MAXIMUM
MIN	MINIMUM
MVD	MANUAL VOLUME DAMPER
OA	OUTSIDE AIR
OC	ON CENTER
OCEW	ON CENTER EACH WAY
∅	ROUND
W/	WITH

## SYMBOLS

-  DEMOLISHED EQUIPMENT/PIPING
-  EXISTING TO REMAIN EQUIPMENT/PIPING
-  NEW EQUIPMENT/PIPING
-  POINT OF DEMOLITION
-  POINT OF CONNECTION
-  PIPE ELBOW
-  ROUND DUCT IN SECTION
-  BOILER
-  END SUCTION PUMP



### 35% SUBMITTAL – NOT FOR CONSTRUCTION

REVISION	DATE	DESCRIPTION	BY	APPR'D
<b>BASE CIVIL ENGINEER EGLIN AIR FORCE BASE, FLORIDA</b>				
<b>SABER PROJECT MANAGER</b>		<b>TITLE</b>		
DATE _____		<b>REPLACE AHU'S, CHILLER, BOILER IN BUILDING 843</b>		
SIGNATURE _____				
APPROVED _____				
CENM _____				
DRAWN BY <u>S. MCCRAW</u>				
PROJ. ENGR. <u>S. JOHNSON</u>		<b>CONTENTS</b>		
<b>SABER AS-BUILT DRAWING BASED ON 35% DESIGN</b>		GENERAL MECHANICAL NOTES, LEGEND AND ABBREVIATIONS		
APPROVED _____		DATE		JUNE 2024
96 CEG/CEN		APPROVED _____		SCALE AS SHOWN
APPROVED _____		BASE CIVIL ENGINEER		
SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET OF .
	FTFA 23MM04			

### PETERSON ENGINEERING INC.

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