

AIR HANDLING UNIT SCHEDULE

MARK	TYPE	FAN DATA								CHILLED WATER COOLING DATA								STEAM PREHEAT COIL DATA						STEAM REHEAT COIL DATA						FILTER DATA				REMARKS								
		TOTAL AIR CFM	OUTSIDE AIR CFM	EXTERNAL STATIC PRESSURE IN. W.G.	FAN QTY.	FAN MOTOR HORSEPOWER EA.	ELECTRICAL DATA			TOT. COOLING CAP. MBTU/HR	LATENT. COOLING CAP. MBTU/HR	ENTERING AIR TEMP.				LEAVING AIR TEMP.				CHILLED WATER DATA		MAX WPD FT	MAX APD IN. W.G.	MAX. FACE VEL. FPM	MIN. OUTPUT CAP. MBTU/HR	AIR TEMP. DATA °F ENT.	STEAM DATA		MAX APD IN. W.G.	MAX. FACE VEL. FPM	MIN. OUTPUT CAP. MBTU/HR	AIR TEMP. DATA °F ENT.	STEAM DATA		MAX APD IN. W.G.	MAX. FACE VEL. FPM	MAX. FACE VEL. FPM	PRE-FILTER		FINAL-FILTER		
							VOLTS	PHASE	HERTZ			*Fdb	*Fwb	*Fdb	*Fwb	GPM	*F ENT.	CONDENSATE lbs./hr.	*F ENT.	CONDENSATE lbs./hr.	*F ENT.						CONDENSATE lbs./hr.	*F ENT.					THICK					EFFICIENCY	THICK	EFFICIENCY		
AHU-1	MTZ 7 ZONES	13,800	13,800	0.5	3	5.0	460	3	60	1,358.4	506.0	85.0	80.0	50.6	50.6	270.6	45	10.5	10.5	466	698.6	25	733.1	239	0.1	519	628.9	55.0	659.9	239	0.53	1,063	500	2"	MERV 8	4"	MERV 13	ALL NOTES				

NOTES:

MTZ - MULTI-ZONE

1. HORIZONTAL DISCHARGE WITH SEVEN ZONES. UNIT SHALL BE BALANCED TO PRE-TAB AIR FLOW READINGS TAKEN FROM EXISTING UNIT.
2. UNIT SHALL BE CONTROLLED VIA BACNET DIGITAL CONTROLS.
3. PROVIDE WITH DDC STEAM AND CHILLED WATER VALVES.
4. PROVIDE WITH FACTORY DIPPED, CORROSION RESISTANT COIL COATINGS RATED FOR 10,000 HOURS SALT SPRAY TEST FOR ALL COILS.
5. PROVIDE WITH KNOCK-DOWN CONSTRUCTION FOR ASSEMBLY IN MECHANICAL ROOM.
6. PROVIDE WITH UNIT MOUNTED VFD
7. PROVIDE WITH SINGLE POINT POWER CONNECTION.
8. ALL FAN MOTORS SHALL BE NEMA PREMIUM.
9. MANUFACTURER SHALL ADD AN EXTRA .6" STATIC TO UNIT STATIC PRESSURE TO ACCOUNT FOR LOADED FILTERS.
10. PIPE CONDENSATE FROM UNIT TO DRAIN WITH TRAP USING COPPER PIPING.
11. PROVIDE UNIT MOUNTED DIFFERENTIAL PRESSURE GAUGES AND PRESSURE SWITCHES FOR FILTER DPs AND STATIC PRESSURE CONTROL.
12. PROVIDE EXTENDED LUBE LINES TO OUTSIDE OF UNIT CASING ON THE SIDE WHICH IS ACCESSIBLE FOR SERVICING ON ALL UNITS.
13. AHU SHALL BE SUPPLIED A FLOW MEASURING STATION FOR OUTSIDE AIR CONTROL.
14. PROVIDE AHU WITH UV LIGHTS.
15. PROVIDE UNIT CABINET WITH BAKED ENAMEL FINISH.
16. EXTERNAL STATIC DOES NOT INCLUDE PRESSURE DROP THROUGH CASING COILS, FILTERS, AND FILTER HOUSINGS.

35% SUBMITTAL - NOT FOR CONSTRUCTION

REVISION	DATE	DESCRIPTION	BY	APPR'D
BASE CIVIL ENGINEER EGLIN AIR FORCE BASE, FLORIDA				
SABER PROJECT MANAGER		TITLE		
DATE	REPAIR HVAC AND AHU AFRL EXP & TOX LAB B1206			
SIGNATURE				
APPROVED				
CENM				
PROJ. ENGR. S. JOHNSON				
SABER AS-BUILT DRAWING BASED ON 35% DESIGN		CONTENTS MECHANICAL SCHEDULES		
APPROVED		APPROVED		DATE
96 CEG/CEN		APPROVED		JULY 2024
APPROVED		APPROVED		SCALE
BASE CIVIL ENGINEER		BASE CIVIL ENGINEER		AS SHOWN
SPEC. NO.	PROJ. NO.	DRAWING NO.	FILE NO.	SHEET OF .
	FTFA 24-AD06			

PETERSON ENGINEERING INC.

(PROF. ENG. #: 3600)
75 SOUTH "F" STREET
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PEI 24083

INDEX NO.
M-601

D:\PROJECT\2024\24083 Repair HVAC AHU AFRL Ammo EXP & TOX Lab B1206\DWG\Mech\24083M-601.dwg, 7/3/2024 5:33:14 PM, smcgraw, ARCH full bleed D (36.00 x 24.00 Inches)