

AIR TO AIR HEAT PUMPS								
MARK	DESCRIPTION	MINEER	COOLING TOTAL (MIN.)	HEATING (MIN.)	MIN. CFM @ 0.9: E.S.P.	ELECTRICAL INDOOR	ELECTRICAL OUTDOOR	BASIS OF DESIGN
AHU-1/ HP-1	2 TON UNITARY SPLIT	13	24 MBH	24 MBH	600	200-230 VOLT, 1PH, 60HZ HEATER 5KW/208V, 1PH, 60HZ, FULLLOAD: 32A MAXFUSE: 45A	208-230V, 1PH 60HZ, FULLLOAD: 15A MAXFUSE: 25A	TRANE MODEL # 4TWR6024A1000-TAM7A0B30H215B
AHU-2/ HP-2	3 TON UNITARY SPLIT	12.5	35 MBH	35 MBH	900	200-230 VOLT, 1PH, 60HZ HEATER 7KW/208V, 1PH, 60HZ, FULLLOAD: 40A MAXFUSE: 60A	208-230V, 1PH 60HZ, FULLLOAD: 22A MAXFUSE: 35A	TRANE MODEL # 4TWR6036A1000-TAM7A0C36H315B
AHU-3/ HP-3	5 TON UNITARY SPLIT	12.5	58 MBH	58 MBH	1700	200-230 VOLT, 1PH, 60HZ HEATER 14KW/208V, 1PH, 60HZ, FULLLOAD: 40A MAXFUSE: 60A	208-230V, 1PH 60HZ, FULLLOAD: 22A MAXFUSE: 60A	TRANE MODEL # 4TWR6060A1000-TAM7B0C60H515A
AHU-4/ HP-4	2 TON UNITARY SPLIT	13	24 MBH	24 MBH	600	200-230 VOLT, 1PH, 60HZ HEATER 5KW/208V, 1PH, 60HZ, FULLLOAD: 32A MAXFUSE: 45A	208-230V, 1PH 60HZ, FULLLOAD: 15A MAXFUSE: 25A	TRANE MODEL # 4TWR6024A1000-TAM7A0B30H215B
AHU-5/ HP-5	MINI SPLIT	12.5	16 MBH	18 MBH	N/A	NO ELECTRIC HEATER FULLLOAD: 1A MAXFUSE: 15A	208-230V, 1PH 60HZ, FULLLOAD: 14A MAXFUSE: 15A	MTSUBISHI MINISPLIT INDOOR: MS2-GE18NA-8 OUTDOOR: MUZ-GE18NA-1
AHU-6/ HP-6	MINI SPLIT	12.5	16 MBH	18 MBH	N/A	NO ELECTRIC HEATER FULLLOAD: 1A MAXFUSE: 15A	208-230V, 1PH 60HZ, FULLLOAD: 14A MAXFUSE: 15A	MTSUBISHI MINISPLIT INDOOR: MS2-GE18NA-8 OUTDOOR: MUZ-GE18NA-1

NOTES: 1. MANUFACTURER'S MODEL NUMBERS ARE PROVIDED AS BASIS OF DESIGN ONLY AND ARE NOT TO LIMIT SELECTION. PROVIDE SCHEDULED EQUIPMENT OR EQUIPMENT OF EQUAL QUALITY AND CAPACITY.

REGISTER, LOUVER & GRILLE SCHEDULE						
MARK	TYPE	SERVICE	BLOW	REMARKS	NOTES	
D3	SQUARE DIRECTIONAL (LOUVER) FACE CEILING DIFFUSER	SUPPLY	AS INDICATED	FRAME STYLE TO SUIT CEILING FINISH. BASIS OF DESIGN: PRICE SPD SERIES	1	
D4	SQUARE DIRECTIONAL (LOUVER) FACE CEILING DIFFUSER	SUPPLY	AS INDICATED	FRAME STYLE TO SUIT CEILING FINISH. 24x24 "LAY-IN" BASIS OF DESIGN: PRICE SPD SERIES	1	
D1	SLOT DIFFUSER	SUPPLY	180° PATTERN	SLOT DIFFUSER-ALUMINUM CONSTRUCTION BASIS OF DESIGN: PRICE SDS SERIES	1	
D	SPOT DIFFUSER	SUPPLY	ADJUSTABLE	SPOT DIFFUSER-ALUMINUM CONSTRUCTION BASIS OF DESIGN: SEMO PW-E SERIES	1	
E	SIDEWALL LINEAR DIFFUSER	SUPPLY	1 WAY	SIDEWALL SUPPLY REGISTER-ALUMINUM CONSTRUCTION BASIS OF DESIGN: PRICE LBP SERIES	1	
R	REGISTER FIXED ANGLED VANES SURFACE MOUNTED	RETURN/ EXHAUST TRANSFER		RETURN OR EXHAUST REGISTER AS INDICATED-45° ANGLED VANES-ALUMINUM	1	
L	EXTERIOR WALL LOUVER FIXED ANGLED VANES	DA W/ EXHAUST		EXTERIOR WALL LOUVER-EXTRUDED ALUMINUM DRAINABLE WITH BRD SCREEN. BASIS OF DESIGN: RUCKIN TYPE ELF 6375X	1, 2	

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2. LOW LEAKAGE DAMPERS THAT AUTOMATICALLY CLOSE WHEN EMERGENCY AIR DISTRIBUTION SWITCH IS ACTIVATED.

PRECONDITIONED OUTDOOR AIR UNIT SCHEDULE																										
UNIT NUMBER	WEIGHT (lbs.)	ELECTRICAL			INPUT CONDITIONS								RETURN CONDITIONS					EFFECTIVENESS			DESIGN BASIS MFR & MODEL #	NOTES				
		POWER	FAN MOTOR BHP		NOMINAL CONDITION	OUTSIDE AIR				VENTILATION AIR				ENTERING AIR					LAT.	SENS.			MEASURED TOTAL S/W			
			SUPPLY	EXHAUST		CFM	EXT. STATIC PR. (WC)	DEG.F (db)	HUM. (wb)	ENTHALPY (Btu/lb)	DEG.F (db)	DEG.F (wb)	RH (gr/lb)	ENTHALPY (Btu/lb)	CFM	EXT. STATIC PR. (WC)	DEG.F (db)	REL. HUMIDITY %						HUM. (gr/lb)	ENTHALPY (Btu/lb)	
ERV1	704	460V/3Ø	1.88	1.88	SUMMER	850	0.50	96	80.8	136.1	44.49	80.86	69.11	87.7	33.15	725	0.50	75	49.8	64.4	28.07	77%	82%	79%	MICROMETL EVCC0440000BEFYG-E	1, 2
					WINTER	850	0.50	27	25.8	16	9.41	57.69	50.25	-41.9	20.34	725	0.50	70	36.3	46.7	25.30					

NOTES: 1. ERU/INTAKE LOUVER SHALL BE FITTED W/ 8 MERV AIR FILTER  
2. MANUFACTURER'S MODEL NUMBERS ARE PROVIDED AS BASIS OF DESIGN ONLY AND ARE NOT TO LIMIT SELECTION. PROVIDE SCHEDULED EQUIPMENT OR EQUIPMENT OF EQUAL QUALITY AND CAPACITY.

AIR FILTERS						
MARK	MERV RATING	POWER	ALLOWABLE PRESSURE DROP	DESIGN BASIS	HOUSING DIMENSIONS	USE
AF-1	14	20VA @120V	0.1" W.G. @ 900 CFM (CLEAN)	DYNAMIC AIR QUALITY SOLUTIONS - #1V8 3006-29.5	33" W x 26"H x 65"L	DOWNSTREAM AHU
AF-2	14	20VA @120V	0.1" W.G. @ 1700 CFM (CLEAN)	DYNAMIC AIR QUALITY SOLUTIONS - #1V8 3806-29.5	41" W x 38"H x 65"L	DOWNSTREAM AHU
AF-3	8		0.3" W.G. @ 750 CFM (CLEAN)	VARIOUS		UPSTREAM ERV
AF-4	8		0.3" W.G. @ 600 CFM (CLEAN)	VARIOUS		UPSTREAM AHU
AF-5	8		0.3" W.G. @ 900 CFM (CLEAN)	VARIOUS		UPSTREAM AHU
AF-6	8		0.3" W.G. @ 1700 CFM (CLEAN)	VARIOUS		UPSTREAM AHU

FINAL SUBMISSION  
APRIL 9, 2013

IF SHEET IS LESS THAN (30"x42") IT IS A REDUCED PRINT; SCALE ACCORDINGLY

M011

 766 MIDDLE ST., FAIRHOPE, AL 36532 251-990-5778 ARCH. & ENGR. SEAL 	NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS	P.W. DWG. NO.	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
	SAFETY DEPARTMENT	DRAWN BY R. LONDOÑO	NAVAL SUPPORT ACTIVITY PANAMA CITY, FLORIDA
	FIRE DEPARTMENT	CHECKED BY R. DeLOACH	CONSTRUCT NAVAL BRANCH HEALTH CLINIC PANAMA CITY
	PUBLIC WORKS SUPERVISOR	SUPERVISOR B. COFFMAN	MECHANICAL SCHEDULES
	APPROVED	DATE	SIZE F
			CODE IDENT. NO. N/A
			NAVFAC DRAWING NO. N/A
			HQMC PROJ. NO. 520-13-200 CONSTR. CONTR. NO.
			SCALE MACC. T.O.# SHEET 2 OF 9