

EXHAUST FANS														
TAG	LOCATION	SYSTEM SERVED	TYPE	AIRFLOW (CFM)	STATIC PRESSURE ("W.G.)	FAN		MOTOR			ROOF/WALL OPENING (INCHES)	DAMPER TYPE	BASIS OF DESIGN	REMARKS
						RPM	DRIVE	HP/W	VOLTS/ PHASE	ENCL.				
EF-1	SEE PLANS	GENERAL EXHAUST	CEILING MOUNTED FC	100	0.75	878	DIRECT	54W	120/1	STND.	N/A	MOTORIZED	GREENHECK SP-B80	1,2,4,5,11
EF-2	SEE PLANS	GENERAL EXHAUST	CEILING MOUNTED FC	50	0.75	960	DIRECT	80W	120/1	STND.	N/A	MOTORIZED	GREENHECK SP-B110	1,2,4,5,11
EF-3	SEE PLANS	GENERAL EXHAUST	CEILING MOUNTED FC	50	1.0	960	DIRECT	80W	120/1	STND.	N/A	MOTORIZED	GREENHECK SP-B110	1,2,4,5,11
EF-4	STORAGE	GENERAL EXHAUST	CEILING MOUNTED FC	50	0.5	878	DIRECT	54W	120/1	STND.	N/A	MOTORIZED	GREENHECK SP-B80	1,3,4,5,11
EF-5	POOL	POOL ROOM	CABINET FC	550	0.125	895	DIRECT	350W	120/1	ALUM.	16x16	MOTORIZED	GREENHECK SQ-95-D	1,4,5,6,7,8,9
EF-6	SEE PLANS	GENERAL EXHAUST	CEILING MOUNTED FC	250	0.50	878	DIRECT	54W	120/1	STND.	N/A	MOTORIZED	GREENHECK SP-B150	1,2,4,5,11
EF-7	SEE PLANS	GENERAL EXHAUST	CEILING MOUNTED FC	200	0.50	878	DIRECT	54W	120/1	STND.	N/A	MOTORIZED	GREENHECK SP-B150	1,3,4,5,11

- REMARKS:
1. PROVIDE STARTER AND DISCONNECT.
 2. INTERLOCK WITH WALL SWITCH AND TIME DELAY RELAY (TOILET ROOM APPLICATIONS)
 3. PROVIDE ON/OFF TOGGLE SWITCH WITH INDICATOR LIGHT (JANITOR CLOSETS AND MECHANICAL AREAS)
 4. PROVIDE UNIT MOUNTED SPEED CONTROLLER
 5. PROVIDE SPRING HANGER KIT
 6. INTERLOCK WITH DHU-1. RUN WHEN DHU-1 IS RUNNING
 7. PROVIDE CHLORINE RESISTANT COATING (PERMATECTOR OR EQUAL)
 8. PROVIDE ALUMINUM HOUSING AND STAINLESS STEEL FASTENERS.
 9. PROVIDE ALUMINUM INLET GAUZE
 10. PROVIDE WITH 14" HIGH ROOF CURB AND HINGED SUBBASE.
 11. PROVIDE WITH CEILING RADIATION DAMPER, MODEL CRD.

PACKAGED TERMINAL AIR CONDITIONER															
TAG	CFM	OA CFM	COOLING CAPACITY @ 95 F DB & 72 F WB OUTSIDE				COOLING ELECTRICAL POWER		ELECTRIC HEATING			ELECTRICAL		BASIS OF DESIGN	REMARKS
			MIN BTUH	TOTAL BTUH	MIN SENS BTUH	COIL EA	AMPS	VOLTS/ PHASE	HEATING CAPACITY BTUH	WATTS	VOLTS/ PHASE	MCA	MOCP		
PTAC-1	330	50	9,000	7.2	75	57	4.1	208/1	8300	3500	208/1	19.5	20	AMANA RMH093H35	1,2,3,4,5,7
PTAC-2	340	50	12,000	9.6	75	57	5.7	208/1	11300	5000	208/1	27.6	30	AMANA RMH123H50	1,2,3,4,6,7

- REMARKS:
1. PROVIDE WALL MOUNT WIRE DIGITAL THERMOSTAT WITH TWO SPEED FAN CONTROL.
 2. PROVIDE WALL SLEEVE AND OUTDOOR ARCHITECTURAL LOUVER, FINISH LOUVER AND UNIT AS SELECTED BY ARCHITECT.
 3. PROVIDE WITH ELCTRIC RESISTANCE HEATER, CORROSION PROTECTION AND LOW VOLTAGE WIRING KIT.
 4. PROVIDE CONDENSATE DISPERSION SYSTEM, CONDENSATE REMOVAL PUMP AND INTERNAL CONDENSATE DRAIN KIT.
 5. PROVIDE SUB-BASE AND 208V/1Ø POWER CORD RATED FOR 20 AMP.
 6. PROVIDE SUB-BASE AND 208V/1Ø POWER CORD RATED FOR 30 AMP.
 7. PROVIDE WITH MAKEUP AIR SYSTEM WITH COMPRESSOR AND DEDICATED ELECTRIC RESISTANCE HEATER, 250W.

VRF HEAT PUMP WITH HEAT RECOVERY SCHEDULE																											
INDOOR UNIT										OUTDOOR UNIT				SYSTEM		REMARKS											
TAG NO.	AREA SERVED	MANUFACTURER	MODEL NO.	CFM	ESP	V/P/Hz	MCA	MOCP	TOTAL MBH	OPERATING WEIGHT	TAG NO.	MODEL NO.	NOMINAL TONNAGE	COOLING CAPACITY @95F (BTU/hr)	HEATING CAPACITY @13F (BTU/hr)		COMPRESSOR QUANTITY	PHASE	V/P/Hz	MCA	MOCP	OPERATING WEIGHT	IEER	COP			
AC-1	REFER TO PLANS	mitsubishi	PEFY-P48NMA	1600	0.25"	208/60/1	4.1	15	48	95															1-14		
AC-2	REFER TO PLANS	mitsubishi	PEFY-P36NMA	1100	0.25"	208/60/1	3.3	15	34	95																1-14	
AC-3	REFER TO PLANS	mitsubishi	PEFY-P36NMA	1200	0.25"	208/60/1	3.3	15	34	95																1-14	
AC-4	REFER TO PLANS	mitsubishi	PLFY-P08NBU	450	-	208/60/1	1	15	8	65																1-14	
AC-5	REFER TO PLANS	mitsubishi	PLFY-P08NBU	450	-	208/60/1	1	15	8	65																1-14	
AC-6	REFER TO PLANS	mitsubishi	PLFY-P08NBU	450	-	208/60/1	1	15	8	65																1-14	
AC-7	REFER TO PLANS	mitsubishi	PLFY-P12NBU	500	-	208/60/1	1	15	12	65	AC-3 (6,7,8,9,10,11,12,17)	TURYE2163BN40AB 1)TURYE1923BN40AB 1)TURYE0963AN40AB	10 8	120000 96000	135000 108000	1 1	1 1	230/3/60 230/3/60	41 31	60 45	622 613	13.5	3.89		1-14		
AC-8	REFER TO PLANS	mitsubishi	PLFY-P24NBU	570	.25"	208/60/1	1	15	24	65																1-14	
AC-9	REFER TO PLANS	mitsubishi	PEFY-P18NMA	400	0.25"	208/60/1	1.6	15	18	65																1-14	
AC-10	REFER TO PLANS	mitsubishi	PLFY-P08NBU	500	-	208/60/1	1	15	8	65																1-14	
AC-11	REFER TO PLANS	mitsubishi	PEFY-P18NMA	600	0.25"	208/60/1	1.6	15	18	65																1-14	
AC-12	REFER TO PLANS	mitsubishi	PEFY-P18NMA	600	0.25"	208/60/1	1.6	15	18	60																1-14	
AC-13	REFER TO PLANS	mitsubishi	PEFY-P36NMA	1000	0.25"	208/60/1	3.3	15	34	95	HP-2 (AC-1,2,14,15,16,18)	TURYE1923BN40AB (2)TURYE0963ANAB	8 8	96000 96000	108000 108000	1 1	1 1	230/3/60 230/3/60	31 31	45 45	613 613	14.1	3.99		1-14		
AC-14	REFER TO PLANS	mitsubishi	PEFY-P36NMA	1000	0.25"	208/60/1	3.3	15	34	95																1-14	
AC-15	REFER TO PLANS	mitsubishi	PLFY-P24NBU	570	.25"	208/60/1	1	15	24	65																1-14	
AC-16	REFER TO PLANS	mitsubishi	PEFY-P36NMA	900	0.25"	208/60/1	3.3	15	34	95																	1-14
AC-17	REFER TO PLANS	mitsubishi	PLFY-P24NBU	570	-	208/60/1	1	15	24	65																	1-14
AC-18	REFER TO PLANS	mitsubishi	PEFY-P18NMA	600	0.25"	208/60/1	1.6	15	18	60																	1-14
OA-1	OUTSIDE AIR	mitsubishi	PEFY-AF1200CFHR	1200	.5	208/60/1	4.1	15	112	375	HP-3	PURY-P120TKMU-U-BS	10	112000	135000	2	2	208/3/60	45	50	715	18.6	3.45		1-14		
OA-2	OUTSIDE AIR	mitsubishi	PEFY-AF1200CFHR	1200	.5	208/60/1	4.1	15	112	375	HP-4	PURY-P120TKMU-U-BS	10	112000	135000	2	2	208/3/60	45	50	715	18.6	3.45		1-14		

- REMARKS:
1. PROVIDE HORIZONTAL UNITS WITH CONDENSATE PUMPS AND 1" FILTER RACK AND FILTER.
 2. PROVIDE HORIZONTAL OUTSIDE UNITS WITH CONDENSATE PUMPS AND 1" FILTER RACK AND FILTER.
 3. INSTALL OUTDOOR UNITS ON 4" THICK POURED IN PLACE CONCRETE PAD.
 4. PROVIDE ALL INDOOR UNITS WITH DISCONNECT.
 5. PROVIDE OUTDOOR UNITS WITH SEALED CONNECTIONS, LOW AMBIENT OPERATION/BAFFLE AND BUILT IN BASE PAN HEATER.
 6. INSTALL A FULL SIZE DRAIN PAN UNDER EACH HORIZONTAL FAN COIL UNITS WITH FLOAT SWITCH WIRED TO SHUTDOWN UNIT.
 7. PIPE COOLING CONDENSATE TO CONDENSATE RISER OR FLOOR SINK/DRAIN.
 8. PROVIDE REFRIGERANT PIPING AND BRANCH CONTROLLERS PER EACH SYSTEM PER MANUFACTURER RECOMMENDATIONS.
 9. HORIZONTAL UNITS SHOULD BE SUSPENDED WITH THREADED ROD AND VIBRATION ISOLATORS.
 10. ALL OUTDOOR UNITS SHOULD HAVE TWINNING KIT AND LOCK/CAPS FOR REFRIGERANT LINES.
 11. PROVIDE SYSTEM WITH HEAT RECOVERY AND BRANCH CIRCUIT CONTROLLERS WITH SPARE PORTS FOR FUTURE USE. BRANCH CONTROLLERS TO BE INSTALLED IN MECHANICAL ROOM OR CEILING SPACE ADJACENT TO UNITS.
 12. PROVIDE WALL MOUNTED WIRE CONTROL FOR EACH INDOOR UNIT.
 13. PROVIDE OA-1/2 100% OUTSIDE AIR UNITS WITH DISCHARGE AIR CONTROLLER TO PROVIDE 70° (ADJUSTABLE) SUPPLY AIR.
 14. PROVIDE MAKEUP AIR E-200A TOUCH SCREEN CENTRAL CONTROL SYSTEM FOR OVERALL SYSTEM CONTROLLER. INSTALL IN LOCATION PROVIDED BY OWNER.

DUCTLESS AIR CONDITIONING UNIT										CONDENSING UNIT												
INDOOR UNIT										OUTDOOR UNIT (90°F AMBIENT)												
TAG	AREA SERVED	SUPPLY CFM	FAN HP	DX COOLING COIL				ELECTRICAL		BASIS OF DESIGN	TAG	UNIT SERVED	UNIT LOCATION	NOMINAL CAPACITY (TONS)	SEER	HSPF	ELECTRICAL			BASIS OF DESIGN	REMARKS	
				TOTAL MBH	SENS. MBH	EAT DB	EAT WB	FLA	MOCP								VOLTS/PH	MCA	MOCP			VOLTS/PH
SS-1	SEE PLANS	600	1/8	18.0	14.16	72	62	29.2	30	208/1	AMANA ACNF-18061	CU-1	SS-1	GRADE	1.5	13	-	11.9	20	208/1	AMANA ASZ14-18	1,2,3,4,5,6,7,8
SS-2	SEE PLANS	600	1/10	18.0	15.2	72	62	0.70	15	208/1	EMI WLHV-18D	CU-2	SS-2	GRADE	1.5	13	-	13.6	20	208/1	EMI S1CV8000	1,3,4,5,7,8,9

- REMARKS:
1. PROVIDE STARTER AND DISCONNECT
 2. PROVIDE CONDENSING UNIT WITH CORROSION PROTECTION AND MOUNT UNITS ON PATE EQUIPMENT SUPPORT RAILS.
 3. PROVIDE CONDENSATE LIFT UNIT, PIPE 3/4" CONDENSATE TO EXTERIOR, TERMINATE 12" AFG WITH TURN DOWN ELBOW.
 4. PROVIDE LOW AMBIENT OPERATION DOWN TO 0°F
 5. PROVIDE WITH WALL MOUNTED THERMOSTAT.
 6. PROVIDE ELECTRIC HEATING COIL: 6.0 Kw
 7. EXTENDED REFRIGERANT LINE KIT WITH SERVICE VALVES.
 8. PROVIDE DRAIN PAN LEVEL SENSOR WIRED TO SHUTDOWN UNIT UPON DETECTION OF HIGH LEVEL CONDENSATE IN DRAIN PAN.
 9. PROVIDE CONDENSING UNIT WITH CORROSION PROTECTION AND MOUNT UNIT ON 4" THICK CONCRETE PAD.

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MECHANICAL SCHEDULES

HOLIDAY INN EXPRESS & SUITES
 INTERSECTION OF HAYNES PLACE & LAMMI RD.
 WILSON, NC 27883

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