

**AIR COOLED VARIABLE REFRIGERANT VOLUME (FLOW) HEAT RECOVERY UNIT SCHEDULE**

MARK	BASIS OF DESIGN	COOLING CAPACITY @ ARI STANDARD CONDITIONS				HEATING CAPACITY			MIN. COP	MIN. IEER	MCA	MOP	ELECTRICAL DATA			REMARKS
		EDB °F	EWB °F	AMBIENT °F	TTL BTUHR	EDB °F	AMBIENT °F	TTL BTUHR					VOLTS	Hz	PHASE	
HPRU-1	DAIKIN: REYQ338PBYD	80	67	95	268,385	70	47	326,444	3.2	15.9	61.3	85	460	3	60	-
HPRU-2	DAIKIN: REYQ312PBYD	80	67	95	192,526	70	47	229,853	3.33	16.2	61.1	80	460	3	60	-
HPRU-3	DAIKIN: REYQ120PBYD	80	67	95	85,539	70	47	104,885	3.4	16.1	20.5	25	460	3	60	-

**(HPRU-1) HIGH PRESSURE SPLIT SYSTEM INDOOR UNIT SCHEDULE**

MARK	AREA SERVED	TYPE	BASIS OF DESIGN	AIR DATA		COOLING CAPACITY @ ARI STANDARD CONDITIONS					HEATING CAPACITY			ELECTRICAL DATA			REMARKS
				TOTAL CFM	ESP	EDB °F	EWB °F	AMBIENT °F	TTL BTUHR	SENS. BTUHR	EDB °F	AMBIENT °F	TTL BTUHR	VOLTS	PHASE	Hz	
<b>ZONE # 1</b>																	
FC-1	AFTER SCHOOL CARE	CMU	DAIKIN: FXFQ36PVJU	1,180	0	74.9	64.9	95	33,340	22,694	69.7	47	40,224	230	1	60	
FC-2	AFTER SCHOOL CARE	CMU	DAIKIN: FXFQ30PVJU	830	0	74.9	64.9	95	27,760	18,084	69.7	47	34,194	230	1	60	
FC-3	AFTER SCHOOL CARE	CMU	DAIKIN: FXZQ18M7VJU	494	0	74.9	64.9	95	16,870	10,571	69.7	47	20,149	230	1	60	
FC-4	AFTER SCHOOL COORD.	WMU	DAIKIN: FXAQ18PVJU	500	0	74.9	64.9	95	16,870	10,936	69.7	47	20,149	230	1	60	
<b>ZONE # 2</b>																	
FC-5	GYM UNIFORM STRG.	CCU	DAIKIN: FXMQ30PVJU	883	0.2	74.9	64.9	95	27,760	18,743	69.7	47	34,194	230	1	60	
<b>ZONE # 3</b>																	
FC-6	TOILET, STORAGE, CORRIDOR	CCU	DAIKIN: FXMQ48PVJU	1,377	0.2	74.9	64.9	95	44,500	28,867	69.7	47	54,298	230	1	60	
FC-7	ATHLETIC COORD.	WMU	DAIKIN: FXAQ09PVJU	280	0	74.9	64.9	95	8,800	6,009	69.7	47	10,589	230	1	60	
FC-8	REC. COORD.	WMU	DAIKIN: FXAQ09PVJU	280	0	74.9	64.9	95	8,800	6,009	69.7	47	10,589	230	1	60	
FC-9	PROGRAM COORD.	WMU	DAIKIN: FXAQ09PVJU	280	0	74.9	64.9	95	8,800	6,009	69.7	47	10,589	230	1	60	
FC-10	DIRECTOR	WMU	DAIKIN: FXAQ18PVJU	500	0	74.9	64.9	95	16,870	10,936	69.7	47	20,149	230	1	60	
<b>ZONE # 4</b>																	
FC-11	GAME RM.	CMU	DAIKIN: FXFQ24PVJU	780	0	74.9	64.9	95	22,250	15,283	69.7	47	27,149	230	1	60	
FC-12	GAME RM.	CMU	DAIKIN: FXFQ24PVJU	780	0	74.9	64.9	95	22,250	15,283	69.7	47	27,149	230	1	60	
<b>ZONE # 5</b>																	
FC-13	CORRIDOR, COPY, STORAGE	CCU	DAIKIN: FXMQ12PVJU	335	0.2	74.9	64.9	95	11,090	7,340	69.7	47	13,575	230	1	60	
FC-15	CONFERENCE RM.	CMU	DAIKIN: FXZQ18M7VJU	494	0	74.9	64.9	95	16,870	10,571	69.7	47	20,149	230	1	60	
FC-14	BREAK RM.	WMU	DAIKIN: FXAQ07PVJU	260	0	74.9	64.9	95	6,940	5,023	69.7	47	8,530	230	1	60	
<b>ZONE # 6</b>																	
FC-16	MEN, JAN, CORRIDOR	CCU	DAIKIN: FXMQ18PVJU	636	0.2	74.9	64.9	95	16,870	11,438	69.7	47	20,104	230	1	60	
<b>ZONE # 7</b>																	
FC-17	LOUNGE	CMU	DAIKIN: FXZQ18M7VJU	494	0	74.9	64.9	95	16,870	10,571	69.7	47	20,149	230	1	60	
<b>ZONE # 8</b>																	
FC-18	ENTRY LOBBY	CMU	DAIKIN: FXFQ30PVJU	830	0	74.9	64.9	95	27,760	18,084	69.7	47	34,194	230	1	60	
FC-19	ENTRY LOBBY	CMU	DAIKIN: FXFQ36PVJU	1,180	0	74.9	64.9	95	33,340	22,694	69.7	47	40,224	230	1	60	

**HIGH PRESSURE SPLIT SYSTEM INDOOR UNIT LEGENDS**

- CCU - CONCEALED CEILING UNIT
- CMU - CEILING MOUNTED UNIT
- WMU - WALL MOUNTED UNIT

**HIGH PRESSURE SPLIT SYSTEM INDOOR UNIT NOTES**

- ① PROVIDE CONDENSATE PUMPS AT ALL VRF UNITS.
- ② ALL FAN COILS SHALL HAVE FLEX CONNECTIONS FOR SUPPLY AND RETURN DUCT

**(HPRU-1) BRANCH SELECTOR SCHEDULE**

MARK	ZONE SERVED	BASIS OF DESIGN	MCA	MOP	ELECTRICAL DATA			REMARKS
					VOLTS	PHASE	Hz	
BS-1	ZONE-1	DAIKIN: BSVQ36PVJU	0.4	15	230	1	60	
BS-2	ZONE-2	DAIKIN: BSVQ36PVJU	0.1	15	230	1	60	
BS-3	ZONE-3	DAIKIN: BSVQ36PVJU	0.1	15	230	1	60	
BS-4	ZONE-4	DAIKIN: BSVQ36PVJU	0.1	15	230	1	60	
BS-5	ZONE-5	DAIKIN: BSVQ36PVJU	0.1	15	230	1	60	
BS-6	ZONE-6	DAIKIN: BSVQ36PVJU	0.1	15	230	1	60	
BS-7	ZONE-7	DAIKIN: BSVQ36PVJU	0.1	15	230	1	60	
BS-8	ZONE-8	DAIKIN: BSVQ36PVJU	0.1	15	230	1	60	

**FLOW SENSOR SCHEDULE**

MARK	OA AIRFLOW CFM	OA MINIMUM CFM	EA AIRFLOW CFM	EA MINIMUM CFM
ERV-1	1680	400	1560	300
ERV-2	1680	400	1560	300
DOAS	5000	3650	N/A	N/A

**FLOW SENSOR SCHEDULE NOTES:**  
 PROVIDE OUTSIDE AIR SENSORS WITH FLOW MEASURING CAPABILITY. THE SENSORS SHALL MEASURE AIRFLOW TO WITHIN 5% OF CONTROL OUTPUT REQUIRED BY THE DDC SYSTEM FOR CONTROL OF THE OPPOSED BLADE AD. SENSORS SHALL BE PRESSURE INDEPENDENT, SEE SHEET M-100 FOR CONTROL NOTES AND DIAGRAM.

ALABAMA: 522  
 FLORIDA: 151  
 GEORGIA: 10  
 TENNESSEE: 101

**CONSULTANTS:**  
**CIVIL ENGINEER**  
 Preble-Ryan  
 90 Beach Parkway  
 Fort Walton Bldg  
 Office: 850.300

**STRUCTURAL EN**  
 Bencher Leonard  
 3101 North 12th  
 Pensacola, FL  
 Office: 850.473  
 Fax: 850.473

**MECHANICAL PROTECTION EN**  
 Dell Consulting  
 129 E. Governm  
 Pensacola, FL 3  
 Office: 850.332  
 Fax: 850.332

**ELECTRICAL EN**  
 Humber-Gorick  
 142 Eighth Floor  
 Fort Walton Bldg  
 Office: 850.243

REVISED:

City of Fort Walton Beach  
 Downtown Mall



PROJECT NO:  
 12-128  
 DATE:

**(HPRU-2) HIGH PRESSURE SPLIT SYSTEM INDOOR UNIT SCHEDULE**

MARK	AREA SERVED	TYPE	BASIS OF DESIGN	AIR DATA		COOLING CAPACITY @ ARI STANDARD CONDITIONS					HEATING CAPACITY			ELECTRICAL DATA			REMARKS
				TOTAL CFM	ESP	EDB °F	EWB °F	AMBIENT °F	TTL BTUHR	SENS. BTUHR	EDB °F	AMBIENT °F	TTL BTUHR	VOLTS	PHASE	Hz	
<b>ZONE # 9</b>																	
FC-20	KITCHEN, KITCHEN STORAGE	CMU	DAIKIN: FXFQ30PJVJU	830	0	74.9	64.9	95	27,760	18,064	69.7	47	34,194	230	1	60	
FC-21	QUIET RM.	WMU	DAIKIN: FXAQ07PJVJU	260	0	74.9	64.9	95	6,940	5,023	69.7	47	8,530	230	1	60	
<b>ZONE # 10</b>																	
FC-22	SMALL MULTI. PURPOSE RM	CMU	DAIKIN: FXFQ24PJVJU	780	0	74.9	64.9	95	22,250	15,283	69.7	47	27,149	230	1	60	
FC-23	SMALL MULTI. PURPOSE RM	CMU	DAIKIN: FXFQ24PJVJU	780	0	74.9	64.9	95	22,250	15,283	69.7	47	27,149	230	1	60	
FC-24	KILN	WMU	DAIKIN: FXAQ07PJVJU	260	0	74.9	64.9	95	6,940	5,023	69.7	47	8,530	230	1	60	
<b>ZONE # 11</b>																	
FC-25	LARG MULTI. PURP. RM A	CMU	DAIKIN: FXFQ48PJVJU	1,220	0	74.9	64.9	95	44,430	28,369	69.7	47	54,298	230	1	60	
FC-26	LARG MULTI. PURP. RM A	CMU	DAIKIN: FXFQ36PJVJU	1,180	0	74.9	64.9	95	33,340	22,694	69.7	47	40,224	230	1	60	
<b>ZONE # 12</b>																	
FC-27	LARG MULTI. PURP. RM B	CMU	DAIKIN: FXFQ48PJVJU	1,220	0	74.9	64.9	95	44,430	28,369	69.7	47	54,298	230	1	60	
FC-28	LARG MULTI. PURP. RM B	CMU	DAIKIN: FXFQ36PJVJU	1,180	0	74.9	64.9	95	33,340	22,694	69.7	47	40,224	230	1	60	
<b>ZONE # 13</b>																	
FC-32	WELLNESS RM.	CMU	DAIKIN: FXFQ24PJVJU	780	0	74.9	64.9	95	22,250	15,283	69.7	47	27,149	230	1	60	
FC-33	WELLNESS RM.	CMU	DAIKIN: FXFQ24PJVJU	780	0	74.9	64.9	95	22,250	15,283	69.7	47	27,149	230	1	60	
<b>ZONE # 14</b>																	
FC-34	TELE. RM	WMU	DAIKIN: FXAQ07PJVJU	260	0	74.9	64.9	95	6,940	5,023	-	-	-	230	1	60	①
<b>ZONE # 15</b>																	
FC-35	VESTIBULE, STORAGE	CCU	DAIKIN: FXMQ30PJVJU	883	0.2	74.9	64.9	95	27,760	18,743	69.7	47	34,194	230	1	60	

**HIGH PRESSURE SPLIT SYSTEM INDOOR UNIT LEGENDS**

- CCU - CONCEALED CEILING UNIT
- CMU - CEILING MOUNTED UNIT
- WMU - WALL MOUNTED UNIT

**HIGH PRESSURE SPLIT SYSTEM INDOOR UNIT NOTES**

- ① COOLING ONLY DOES NOT REQUIRE BRANCH SELECTOR.
- ② PROVIDE CONDENSATE PUMPS AT ALL VRF UNITS.
- ③ ALL FAN COILS SHALL HAVE FLEX CONNECTIONS FOR SUPPLY AND RETURN DUCT

**(HPRU-3) HIGH PRESSURE SPLIT SYSTEM INDOOR UNIT SCHEDULE**

MARK	AREA SERVED	TYPE	BASIS OF DESIGN	AIR DATA		COOLING CAPACITY @ ARI STANDARD CONDITIONS					HEATING CAPACITY			ELECTRICAL DATA			REMARKS
				TOTAL CFM	ESP	EDB °F	EWB °F	AMBIENT °F	TTL BTUHR	SENS. BTUHR	EDB °F	AMBIENT °F	TTL BTUHR	VOLTS	PHASE	Hz	
<b>ZONE # 16</b>																	
FC-29	WOMEN, CORRIDOR, OFFICE	CCU	DAIKIN: FXMQ24MVJU	2,048	0.2	74.9	64.9	95	66,679	44,518	69.7	47	81,447	230	1	60	
<b>ZONE # 17</b>																	
FC-30	RACQUET BALL COURT	CCU	DAIKIN: FXMQ30PJVJU	883	0.2	74.9	64.9	95	27,760	18,743	69.7	47	34,194	230	1	60	
FC-31	RACQUET BALL COURT	CCU	DAIKIN: FXMQ30PJVJU	883	0.2	74.9	64.9	95	27,760	18,743	69.7	47	34,194	230	1	60	

**HIGH PRESSURE SPLIT SYSTEM INDOOR UNIT LEGENDS**

- CCU - CONCEALED CEILING UNIT
- CMU - CEILING MOUNTED UNIT
- WMU - WALL MOUNTED UNIT

**HIGH PRESSURE SPLIT SYSTEM INDOOR UNIT NOTES**

- ① PROVIDE CONDENSATE PUMPS AT ALL VRF UNITS.
- ② ALL FAN COILS SHALL HAVE FLEX CONNECTIONS FOR SUPPLY AND RETURN DUCT

**(HPRU-2) BRANCH SELECTOR SCHEDULE**

MARK	ZONE SERVED	BASIS OF DESIGN	MCA	MOP	ELECTRICAL DATA			REMARKS
					VOLTS	PHASE	Hz	
BS-9	ZONE-9	DAIKIN: BSVQ60PJVJU	0.1	15	230	1	60	
BS-10	ZONE-10	DAIKIN: BSVQ60PJVJU	0.1	15	230	1	60	
BS-11	ZONE-11	DAIKIN: BSVQ60PJVJU	0.1	15	230	1	60	
BS-12	ZONE-12	DAIKIN: BSVQ60PJVJU	0.1	15	230	1	60	
BS-13	ZONE-13	DAIKIN: BSVQ60PJVJU	0.1	15	230	1	60	
BS-14	ZONE-14	N/A	N/A	N/A	N/A	N/A	N/A	①
BS-15	ZONE-15	DAIKIN: BSVQ36PJVJU	0.1	15	230	1	60	

**BRANCH SELECTOR SCHEDULE**

- ① ZONE-14 SERVES TELE. RM AND DOES NOT REQUIRE BRANCH SELECTOR.

**(HPRU-3) BRANCH SELECTOR SCHEDULE**

MARK	ZONE SERVED	BASIS OF DESIGN	MCA	MOP	ELECTRICAL DATA			REMARKS
					VOLTS	PHASE	Hz	
BS-16	ZONE-16	DAIKIN: BSVQ60PJVJU	0.1	15	230	1	60	
BS-17	ZONE-17	DAIKIN: BSVQ60PJVJU	0.1	15	230	1	60	

### HEAT PUMP - AIR HANDLING UNIT SCHEDULE

MARK	FAN DATA			COOLING DESIGN CONDITIONS				HEATING DESIGN CONDITIONS				ELECTRICAL				UNIT FILTER DATA		BASIS OF DESIGN	REMARKS			
	TOTAL AIR CFM	OUTSIDE AIR CFM	E.S.P. IN H <sub>2</sub> O	TOTAL MBTUHR	SENSIBLE MBTUHR	HOT GAS REHEAT MBTUHR	COIL ENT. DB °F	COIL ENT. WB °F	MAX FACE VEL. FPM	MIN. CFM	TOTAL MBTUHR	AMBIENT °F	AUX. ELEC. HEAT TOTAL KW	VOLTS	PHASE	Hz	BLOWER QUANTITY			BLOWER HP. EA	MIN. EER	TYPE
AHU-1	8000	1680	0.75	367.51	227.94	158	78.4	67.3	457	4000	167.2	29	42	480	3	60	2	4	12.1	2" THICK, 30% EFF.	AAON	⑦⑧⑨⑩⑪
AHU-2	8000	1680	0.75	367.51	227.94	158	78.4	67.3	457	4000	167.2	29	42	460	3	60	2	4	12.1	2" THICK, 30% EFF.	AAON	⑦⑧⑨⑩⑪

**HEAT PUMP - AIR HANDLING UNIT SCHEDULE NOTES**

- ① AT ARI CONDITIONS OF 95°F AMB., 80°F D.B. AND 67°F W.B. COIL ENTERING
- ② AT ARI CONDITIONS OF 47°F D.B., 43°F W.B. AMB., 70°F D.B. COIL ENTERING
- ③ AT MIN CFM
- ④ AT 460 VOLTS
- ⑤ ECM FAN MOTORS.
- ⑥ PROVIDE SCR CONTROL.
- ⑦ PROVIDE SINGLE POINT OF CONNECTION FOR FAN MOTOR, ELEC. HEATER, AND UNIT CONTROLS.
- ⑧ PROVIDE SMOKE DETECTOR IN SUPPLY AIR DUCT.
- ⑨ MINIMUM 6 ROW COOLING COIL.
- ⑩ PROVIDE ECM OR VFD FOR EVAP FAN MODULATION.
- ⑪ MANUFACTURER SHALL ALLOW A MINIMUM OF .5 INCHES EXTRA STATIC FOR DIRTY FILTERS. EXTERNAL STATIC DOES NOT INCLUDE PRESSURE DROP THROUGH CASING COILS, FILTERS, AND FILTER HOUSINGS.

### HEAT PUMP - OUTDOOR UNIT SCHEDULE

MARK	DESIGN COOLING		DESIGN HEATING		REF TYPE	COMPRESSOR 1		COMPRESSOR 2		FANS		ELECTRICAL			BASIS OF DESIGN
	TOTAL MBTUHR	AMBIENT °F	TOTAL MBTUHR	AMBIENT °F		NO.	RLA EACH	NO.	RLA EACH	NO.	FLA EACH	VOLTS	PHASE	Hz	
HPCU-1	367.51	90.5	349	29	R-410A	2	14.7	1	26.9	4	7.4	460	3	60	AAON
HPCU-2	367.51	90.5	349	29	R-410A	2	14.7	1	26.9	4	7.4	460	3	60	AAON

**HEAT PUMP - OUTDOOR UNIT SCHEDULE NOTES:**

- BOLT UNITS TO CONCRETE PAD USING STAINLESS STEEL FASTENERS.
- PROVIDE DIGITAL SCROLL OR 2-STAGE COMPRESSORS AND HOT GAS BYPASS.

### OUTSIDE AIR - AIR COOLED CONDENSING UNIT SCHEDULE

MARK	CAPACITY MBTU	DESIGN AMBIENT TEMP. °Fdb	LOW AMBIENT TEMPERATURE °F	MINIMUM STEPS OF REDUCTION	REFRIGERANT TYPE	FANS		COMPRESSOR		ELECTRICAL DATA			BASIS OF DESIGN	
						QUANTITY	FLA (QTY)	QUANTITY	RLA (EACH)	MINIMUM EER	VOLTS	PHASE		HERTZ
OACU-1	454.5	95	0	①	R-410A	4	1.7(2)/2.7(2)	1	26.9	10.8	460	3	60	ADDISON MODEL: RCA421

**OUTSIDE AIR - AIR COOLED CONDENSING UNIT SCHEDULE NOTES**

- PROVIDE FACTORY STARTUP
- BOLT UNITS TO CONCRETE PAD USING STAINLESS STEEL FASTENERS.
- PROVIDE DIGITAL SCROLL OR 2-STAGE COMPRESSORS AND HOT GAS BYPASS.

### OUTSIDE AIR - AIR HANDLING UNIT SCHEDULE

MARK	TYPE	MINIMUM HOT GAS REHEAT MBTU	FAN DATA		ELEC. RESISTANT HEAT		ELECTRICAL DATA			DIRECT EXPANSION COOLING COIL DATA			UNIT FILTER DATA		BASIS OF DESIGN	REMARKS						
			TOTAL AIR CFM	EXTERNAL STATIC PRESSURE INCHES H <sub>2</sub> O	FAN MOTOR HORSEPOWER	NUMBER OF STAGES	⑥ TOTAL KW	VOLTS	PHASE	HERTZ	EER	TOT. COOLING CAPACITY MBTUHR	SENSIBLE COOLING CAPACITY MBTUHR	ENTERING AIR TEMP. °Fdb			COIL LEAVING AIR TEMP. °Fwb	SUPPLY AIR TEMP. °F	MAX. FACE VEL. FPM	TYPE		
			OAHU-1	VDT	80	5,000	0.75	3.0	4	63.0	460	3	60	12.72			454.5	222.7	95	80	55	55

**OUTSIDE AIR - AIR HANDLING UNIT SCHEDULE NOTES**

VDT - VERTICAL DRAW THRU

- ADJUST LOCATION OF UNITS IN MECHANICAL ROOMS AS REQUIRED FOR SERVICE AS RECOMMENDED BY MANUFACTURER.
- PIPE ALL CONDENSATE FROM UNITS TO DRAIN WITH TRAP.
- PROVIDE LIQUID SUB-COOLING

MANUFACTURER SHALL ALLOW A MINIMUM OF .5 INCHES EXTRA STATIC FOR DIRTY FILTERS. EXTERNAL STATIC DOES NOT INCLUDE PRESSURE DROP THROUGH CASING COILS, FILTERS, AND FILTER HOUSINGS.

THE WINTER MIN. LEAVING AIR TEMPERATURE SHALL BE 68°F.

- ① PROVIDE DCV
- ② PROVIDE FACTORY STARTUP
- ③ DISPOSABLE 2" THICK
- ④ PROVIDE SENSORS AND OUTPUTS TO ENABLE "FRESH AIR UNIT FAILURE" FEATURES. COORDINATE WITH CONTRACTOR TO ENSURE A FULLY OPERATIONAL SYSTEM.
- ⑤ PROVIDE SMOKE DETECTOR IN SUPPLY AIR DUCT.
- ⑥ AT 460 VOLT

### FAN SCHEDULE

MARK	AREA SERVED	TYPE	DRIVE	PERFORMANCE DATA				ELECTRICAL			CONTROL	
				AIR FLOW CFM	E.S.P. IN. H <sub>2</sub> O	MAX. RPM	MAX. SONES	MAX. WATTS / HP	VOLTS	PHASE		Hz
EF-1	117 LOCKER RM A	CEF	DD	85	0.4	857	1.3	80 W	115	1	60	INTERLOCK WITH OAHU-1
EF-2	118 LOCKER RM B	CEF	DD	85	0.4	857	1.3	80 W	115	1	60	INTERLOCK WITH OAHU-1
EF-3	114 GIRL'S RESTROOM	CEF	DD	70	0.4	731	1.1	80 W	115	1	60	INTERLOCK WITH OAHU-1
EF-4	113 BOYS RESTROOM	CEF	DD	70	0.4	731	1.1	80 W	115	1	60	INTERLOCK WITH OAHU-1
EF-5	104A TOILET/SHOWER	CEF	DD	50	0.4	819	2.5	54 W	115	1	60	INTERLOCK WITH OAHU-1
EF-6	124 FAMILY RESTROOM	CEF	DD	50	0.4	819	2.5	54 W	115	1	60	INTERLOCK WITH OAHU-1
EF-7	102 COPY ROOM	CEF	DD	60	0.4	900	2.9	54 W	115	1	60	INTERLOCK WITH OAHU-1
EF-8	116 JANITOR STORAGE	CEF	DD	290	0.4	1205	3.6	135 W	115	1	60	DEDICATED WALL SWITCH
EF-9	123 JANITOR	CEF	DD	30	0.4	575	1.9	45 W	115	1	60	DEDICATED WALL SWITCH
EF-10	125 MENS RESTROOM	ILC	DD	630	0.4	1608	8.6	116 HP	115	1	60	INTERLOCK WITH OAHU-1
EF-11	127 WOMEN'S RESTROOM	ILC	DD	700	0.4	1193	6.0	114 HP	115	1	60	INTERLOCK WITH OAHU-1
EF-12	140 KLN	CEF	DD	300	0.4	1235	3.8	135 W	115	1	60	DEDICATED WALL SWITCH
KEF-1	142 KITCHEN/CONCESSION	UCB	DD	700	0.7	1725	8.5	114 HP	115	1	60	INTERLOCK WITH SWITCH ON HOOD

**FAN SCHEDULE LEGEND**

- DD - DIRECT DRIVE
- EF - EXHAUST FAN

**FAN NOTES**

- 1. THE FANS SHALL BE PROVIDED WITH BACKDRAFT DAMPERS.

### UNIT HEATER SCHEDULE

MARK	QTY.	AREA SERVED	TYPE	ELECTRICAL DATA			HEATING CAPACITY KW EA.	BASIS OF DESIGN
				VOLTS	PHASE	Hz		
UH-1	1	120 UTILITY VEHICLE	SUSPENDED	120	1	60	2.85	KING MODEL#: KBP 1230

**UNIT HEATER SCHEDULE NOTES**

- 1. PROVIDE DEDICATED LINE VOLTAGE TSTATS TO CONTROL ALL UNITS IN EACH SPACE. COORDINATE WITH ELECTRICAL.

### ENERGY RECOVERY VENTILATOR SCHEDULE

MARK	SEASON	SUPPLY AIR (OA)				EXHAUST AIR			WHEEL MOTOR DATA			MANUFACTURE			
		AIRFLOW CFM	FAN HP	ENTERING AIR TEMP.		LEAVING AIR TEMP.		AIRFLOW CFM	FAN HP	ENTERING AIR COND.			ELECTRICAL DATA		
				°Fdb	°Fwb	°Fdb	°Fwb			°Fdb	°Fwb		VOLTS	PH	Hz
ERV-1	SUMMER	1680	.726	93	76	81.6	68.2	1560	.853	78	63	460	3	60	COOK
	WINTER			28	23.6	55.9	45.6			72	56				
ERV-2	SUMMER	1680	.726	93	76	81.6	68.2	1560	.853	78	63	460	3	60	COOK
	WINTER			28	23.6	55.9	45.6			72	56				

**ENERGY RECOVERY VENTILATOR SCHEDULE NOTES**

- PROVIDE EBTRON FLOW MEASURING AND OPPOSED BLADE MODULATING DAMPERS AND CONTROLLER CAPABLE OF COMMUNICATING WITH AHU/HP CONTROLLER USING BAGNET PROTOCOL. SEE SHEET M-100 FOR CONTROL NOTES AND DIAGRAM.

**CONSULTANTS:**

**CIVIL ENGINEER:**  
 Freebie-Rish  
 90 Beal Parkway  
 Fort Walton Beach  
 Office: 850.200.2

**STRUCTURAL ENG**  
 Beuthe Leonard  
 3101 North 12th  
 Pensacola, FL 32  
 Office: 850.473.5  
 Fax: 850.473.5

**MECHANICAL P**  
 PROTECTION EN  
 Dell Consulting  
 129 E. Government  
 Pensacola, FL 32  
 Office: 850.332.4  
 Fax: 850.332.4

**ELECTRICAL ENG**  
 Number-Gorkic  
 142 Eglin Pkwy SE  
 Fort Walton Beach  
 Office: 850.243.4

REVISED:

City of Fort Walton Beach  
 Recreational Complex



PROJECT NO:  
12-28  
DATE:

ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF FORT WALTON BEACH, FLORIDA, STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, LATEST EDITION, UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPLICABLE AGENCIES.