LOUVER SCHEDULE

NOTES:

1. CONTRACTOR TO INSTALL GRAVITY DAMPER.
2. LOUVER COLOR BY ARCHITECT.
3. MANUFACTURER INSTALLED BIRD SCREEN.
4. COMBINATION LOUVER/DAMPER. ALUMINUM DRAINABLE BLADE LOUVER.

			LOUVER SIZE						PERFORMANCE			
MARK	MANUFACTURER	MODEL	WIDTH (IN)	HEIGTH (IN)	DEPTH (IN)	AIR FLOW (CFM)	DUITY TYPE	DAMPER TYPE	AIR PRESSURE DROP (IN W.G.)	FREE AREA (SF)	FREE AREA VELOCITY (FT/MIN)	NOTES
L-1	GREENHECK	ESD-603	16	16	6	315	INTAKE	GRAVITY	0.043	0.62	505	1:2:3:4
L-2	GREENHECK	ESD-603	14	16	6	250	INTAKE	GRAVITY	0.038	0.53	472	1:2:3:4
L-3	GREENHECK	ESD-603	16	12	6	190	INTAKE	GRAVITY	0.032	0.44	436	1:2:3:4

HEAT PUMP AIR HANDLING UNIT SCHEDULE

NOTES:

1. UNIT AT 208/1Ø AUXILIARY HEATER AT 208/1Ø. UNIT SHALL HAVE SINGLE POINT CONNECTION. AIR-HANDLING UNIT WITH ECM MOTOR.
2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
3. PROVIDE AIR FILTERS, DUCT CONNECTIONS AND VIBRATION ISOLATION. PROVIDE PROGRAMMABLE THERMOSTAT AND SUPP. ELEC. HEAT MODULE CONNECTED TO UNIT FOR SINGLE POINT OF CONNECTION.
4. PROVIDE CONDENSATE TRAP(S) AS RECOMMENDED BY MANUFACTURER AND ROUTE CONDENSATE PIPING TO SUMP PIT IN BASEMENT. COORDINATE WITH PLUMBING.
5. HORIZONTAL CONFIGURATION UNIT.
6. PROVIDE AUXILIARY DRAIN PAN UNDER THE AIR HANDLERS WITH FLOAT ACTIVATED SWITCH TO SHUT THE UNIT DOWN INCASE OF CONDENSATE OVERFLOW. REFER TO DETAIL PROVIDED.
7. PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT OF AIR-HANDLING UNIT.
8. FLOAT ACTIVATED CONDENSATE SWITCH SHALL BE PROVIDED AND INSTALLED BY HVAC CONTRACTOR. DUCT SMOKE DETECTORS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR.
9. PROVIDE COIL OUTLET SWITCH TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW. WIRE COIL OUTLET SWITCH IN SERIES WITH AUXILIARY CONDENSATE SWITCH LOCATED IN DRAIN PAN.
10. UNIT SHALL HAVE MANUFACTURER'S REFRIGERANT LEAK DETECTION DISSIPATION SYSTEM.
11. PROVIDE CARRIER PROGRAMMABLE THERMOSTAT. LOCATE SENSORS AND THERMOSTAT AS PER DRAWINGS.

	LAUOUT BASIS			SUPPLY FAN				EVAP. COIL ENTERING AIR DESIGN CONDITIONS		EVAP. COIL LEAVING AIR DESIGN CONDITIONS		SYSTEM COOLING MAX. REQUIREMENTS				ELECTRICAL		
MARK	MANUFACTURER	MODEL	TYPE	DESIGN AIRFLOW (CFM)	OUITSIDE AIRFLOW (CFM)	ESP (IN.WG)	HP	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	TOTAL (MBH)	SENSIBLE (MBH)	SUPPL. HEAT (KW)	UNIT WEIGHT (LBS)	VOLTS	PHASE	NOTES
AH-1	CARRIER	FT5ANBD60L00	HORIZONTAL	2000	315	0.50	0.75	80.0	67.0	58.8	57.9	58.44	45.90	11.3	203	208	1	1:2:3:4:5:6:7:8:9:10:11
AH-2	CARRIER	FT5ANBC48L00	HORIZONTAL	1400	250	0.50	0.75	78.2	65.3	56.0	54.8	44.84	33.67	7.5	168	208	1	1:2:3:4:5:6:7:8:9:10:11
AH-3	CARRIER	FT5ANXB24L00	HORIZONTAL	700	190	0.50	0.50	78.2	65.3	55.9	54.8	22.27	16.89	6.0	124	208	1	1:2:3:4:5:6:7:8:9:10:11

AIR COOLED HEAT PUMP UNIT SCHEDULE

NOTES:

1. PROVIDE WITH DEFROST CONTROLS, LOW AMBIENT HEAD PRESSURE CONTROLS, AND ANTI-SHORT CYCLE TIMER. PROVIDE COIL GUARD.
2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
3. PROVIDE LIQUID LINE SOLENOID, CRANKCASE HEATER, TXV, START CAPACITOR AND RELAY AS RECOMMENDED BY MANUFACTURER FOR LONG LINE APPLICATIONS.
4. PROVIDE MOUNTING PAD AS PER DETAIL PROVIDED.
5. 2-STAGE COMPRESSOR UNIT.
6. PROVIDE LONG LINE ACCESSORIES PER NOTE 3 WHERE REFRIGERANT PIPE LENGTHS EXCEEDS 80-EQUIVLENT FEET.

						REFRIGERANT						ELECTRICAL		
MARK	DESCRIPTION	SYSTEM SERVES	MANUFACTURER	MODEL NO.	HEAT PUMP HEATING CAPACTY (BTU/HR)	TYPE	O.A. TEMPERATURE SUMMER (DB)	O.A. TEMPERATURE WINTER (DB)	NOMINAL CAPACITY (TONS)	SEER2	HSPF2	VOLT (V)	PH	NOTES
HP-1	CONDENSING UNIT	AH-1	CARRIER	27TPA860A003	60000	R-454B	95.0 °F	47.0 °F	5	17.5	8.1	208	1	1:2:3:4:5:6
HP-2	CONDENSING UNIT	AH-2	CARRIER	27TPA848A003	48000	R-454B	95.0 °F	47.0 °F	4	17	8.1	208	1	1:2:3:4:5:6
HP-3	CONDENSING UNIT	AH-3	CARRIER	27TPA824A003	24000	R-454B	95.0 °F	47.0 °F	2	17.5	8.1	208	1	1:2:3:4:5:6

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

NOTES:

1. PROVIDE STANDARD WHITE FINISH.
2. INSULATE BACK OF DEVICE.
3. BALANCE AIRFLOW TO QUANTITY SHOWN.
4. PROVIDE FULL SIZE SHEET METAL PLENUM ON TOP OF GRILLE FOR DUCT CONNECTION.
5. FACE SIZE IS NOMINAL 2" LARGER THAN DUCT SIZE. SEE FLOOR PLAN.
6. PROVIDE ALUMINIZED FACE OPERATED DAMPER THAT IS ACCESSIBLE FROM THE FACE OF REGISTER/DIFFUSER.

		LAYOUT BASIS					INSTALLATION	
MARK	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL	FINISH	FACE SIZE	TYPE	NOTES
R1	EGGCRATE GRILLE	TITUS	50F	ALUMINUM	WHITE ENAMEL	24x24	LAY-IN INSTALLATION	1:4
R2	EGGCRATE GRILLE	TITUS	50F	ALUMINUM	WHITE ENAMEL	24x12	LAY-IN INSTALLATION	1:4
S1	3-CONE DIFFUSER	TITUS	TMS	STEEL	WHITE ENAMEL	24x24	LAY-IN INSTALLATION	1:2:3
S2	3-CONE DIFFUSER	TITUS	TMS	STEEL	WHITE ENAMEL	12x12	LAY-IN INSTALLATION	1:2:3
S3	LOUVERED GRILLE	TITUS	300R	ALUMINUM	WHITE ENAMEL	NECK SIZE + 1-3/4"	SURFACE MOUNT INSTALLATION	1:3:5:6

FAN SCHEDULE

NOTES:

1. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
2. FAN TO BE INTERLOCKED WITH LIGHTS SUCH THAT FAN COMES ON WHEN LIGHTS ARE ON. PROVIDE 15-MINUTE TIME DELAY TO TURN OFF.
3. CENTRIFUGAL CEILING MOUNTED FAN. PROVIDE MANUFACTURER'S GRILLE, ROUND DUCT CONNECTION, SOLID STATE SPEED CONTROL AND MOTOR WITH THERMAL OVERLOAD.
4. FAN SHALL BE CONTROLLED BY DIGITAL TIME CLOCK 24/7-365 DAYS. TIME CLOCKS SHALL BE PROVIDED BY ELECTRICAL.

	LAYOUT BASIS		FAN PROPERTIES			AIRFLOW PROPERTIES		ELECTRICAL				
MARK	MANUFACTURER	MODEL	FAN TYPE	DRIVE TYPE	RPM	AIRFLOW (CFM)	TSP (IN.WG)	VOLTAGE (V)	PHASE	WEIGHT (LBS)	NOISE CRITERIA (SONES)	NOTES
EF-1	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	75	0.28	115	1	8	1.5	1:2:3
EF-2	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	685	50	0.25	115	1	8	0.8	1:3:4
EF-3	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	75	0.28	115	1	8	1.5	1:2:3
EF-4	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	75	0.28	115	1	8	1.5	1:2:3
EF-5	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	75	0.28	115	1	8	1.5	1:2:3
EF-6	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	75	0.28	115	1	8	1.5	1:2:3
EF-7	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	75	0.28	115	1	8	1.5	1:2:3
EF-8	GREENHECK	SP-LP0511	CEILING EXHAUST FAN	DIRECT	773	75	0.28	115	1	8	1.5	1:2:3

MINI SPLIT & HEAT PUMP FAN COIL SYSTEM SCHEDULE SCHEDULE

NOTES:

1. ROUTE CONDENSATE AS NOTED ON DRAWINGS. COORDINATE WITH PLUMBING.
2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
3. PROVIDE LONG LINE ACCESSORIES PER MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE DISCONNECT AND ELECTRICAL CONNECTION TO OUTDOOR UNIT PER MANUFACTURER'S INSTRUCTIONS.
5. CONTRACTOR MUST COORDINATE EXACT LOCATION OF DRAIN IN THE FIELD WITH PLUMBING CONTRACTOR. MECHANICAL MUST ROUTE CONDENSATE TO APPROPRIATE LOCATION OF DISPOSAL.
6. PROVIDE RECTOR SEAL SS610E CONDENSATE OVERFLOW SWITCH TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW.
7. PROVIDE SELF-CLEANING IONIZATION SYSTEM. REFER TO SCHEDULES FOR FURTHER INFORMATION.
8. ABOVE CEILING CONCEALED DUCTED UNIT. PROVIDE MANUFACTURER'S INTEGRAL CONDENSATE PUMP.
9. PROVIDE MANUFACTURER'S WIRED REMOTE CONTROLLER (7 DAY PROGRAMMABLE) MODEL KSACN1401AAA.

INDOOR UNIT MARK	OUTDOOR UNIT MARK	MANUFACTURER	OUTDOOR MODEL NO.	INDOOR MODEL NO.	MIN COOLING (MBH)	MIN HEATING (MBH) @ 47F	SUPPLY AIR CFM	SEER2	HSPF2	ELECTRICAL VOLTS	ELECTRICAL PHASE	NOTES
ACU-1	HPU-1	CARRIER	37MARAQ24AA3	45MBCAQ24XA3	24000	25000	635	22.1	8.1	208	1	1:2:3:4:5:6:7:8:9

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PEACH STATE CONSTRUCTION COMPANY OFFICE
PIPER ROAD - NEWTON COUNTY, GEORGIA

MECHANICAL SCHEDULES

M0.6

SCHEMATIC DESIGN

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