

SPLIT SYSTEM A/C UNIT SCHEDULE (HEAT PUMP)																														
MARK	INDOOR FAN			COOLING (MBH)					HEATING			AUX. HEAT (kW)	OUTDOOR UNIT ELECTRICAL			INDOOR UNIT ELECTRICAL				MANUFAC.	MODEL NUMBER		O.A. CFM	SEER ⊗ ARI	EER ⊗ ARI	HSPF ⊗ ARI	COP ⊗ ARI	REFR.	NOMINAL TONS	COMMENTS
	CFM—TOTAL	E.S.P. (IN. H2O)	HP/BHP	TOTAL	SENS.	E.A.D.B. (°F)	E.A.W.B. (°F)	AMB. (°F)	MBH	E.A.D.B. (°F)	AMB. (°F)		VOLTS/PH	MCA	MOCP	VOLTS/PH	FLA	MCA	MOCP		AIR HANDLER	CONDENSING UNIT								
AC-1 & HP-1	1380	0.20	¾	45.5	35.0	76.6	63.1	95.0	21.1	61.5	47.0	15.0	208-230/1	25.2	40.0	208-230/1	6.0	53.8/22.7	60.0/25.0	CARRIER	FX4DNF049L15	25HCE448AP030	205	14.5	—	8.2	—	R410A	4.00	SEE NOTES
AC-2 & HP-2	1635	0.20	¾	41.7	36.6	74.8	61.5	95.0	17.3	65.7	47.0	15.0	208-230/1	25.2	40.0	208-230/1	6.0	53.8/22.7	60.0/25.0	CARRIER	FX4DNF049L15	25HCE448AP030	120	14.5	—	8.2	—	R410A	4.00	SEE NOTES
AC-3 & HP-3	3425	0.50	1.66	85.7	77.6	74.7	61.0	95.0	34.8	66.4	47.0	35.0	208-230/3	40.0	60.0	208-230/3	7.1	100.1	110.0	CARRIER	40RUQA08T2A5	38AUQB08A0M5	185	—	11.0	—	3.3	R410A	7.50	SEE NOTES

NOTES:

- PROVIDE PROGRAMMABLE THERMOSTATS FOR EACH. THERMOSTATS ARE TO HAVE NIGHT SETBACK MODE FOR BOTH SUMMER AND WINTER OPERATION, AUTO-CHANGEOVER, AND SCHEDULING FOR CONTROL DURING NON-USE DAYS. COORDINATE PROGRAMMING AND SETTINGS WITH OWNER. PROVIDE NECESSARY TRAINING AND MANUALS FOR THERMOSTAT OPERATION AND PROGRAMMING.
- PROVIDE ACCESSORIES FOR LONG REFRIGERANT LINE LENGTHS AND FOR LOW AMBIENT OPERATION.
- SIZE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS PRIOR TO CONSTRUCTION. ROUTE THE SHORTEST AND MOST DIRECT ROUTE POSSIBLE.
- PROVIDE ANTI-SHORT CYCLE TIMER FOR EACH.
- PROVIDE SMOKE DETECTORS IN THE SUPPLY AND RETURN AIR DUCTWORK OF INDOOR UNITS. SMOKE DETECTORS ARE TO BE PROVIDED AND WIRED BY THE ELECTRICAL CONTRACTOR AND INSTALLED IN THE DUCTWORK BY THE MECHANICAL CONTRACTOR.
- PROVIDE AUXILIARY DRAIN PAN AND FLOAT SWITCH FOR EACH. FLOAT SWITCH TO SHUT UNIT DOWN IN THE EVENT OF A CLOGGED DRAIN.
- HEATING VALUES ARE INTEGRATED HEATING VALUES.
- PROGRAMMABLE THERMOSTATS ARE TO PROVIDE AUXILIARY HEAT CONTROL SUCH THAT ELECTRIC AUXILIARY HEAT WILL NOT OPERATE IN CONJUNCTION W/ CONDENSING UNIT UNLESS REQUIRED FOR CONDENSER COIL DEFROST.
- MOUNT AIR HANDLER UNITS HORIZONTALLY ABOVE AUXILIARY DRAIN PAN ON SUPPORT FRAME. PROVIDE WITH AUXILIARY DRAIN PAN AND CONDENSATE PUMP. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- ALL HEATERS RATED AT 15.0 kW OR HIGHER SHALL BE DUAL CIRCUIT HEATERS.
- PER THE 2015 IECC, AIRSIDE ECONOMIZERS ARE REQUIRED ON DX HVAC SYSTEMS WITH A TOTAL CAPACITY OF 54,000 BTU/HR OR GREATER. AC-1/HP-1 AND AC-2/HP-2 FALL BELOW THIS REQUIREMENT, AND ARE NOT REQUIRED TO HAVE AIR-SIDE ECONOMIZERS.

FAN SCHEDULE												
MARK	MANUFAC.	TYPE	MODEL #	CFM	E.S.P. (IN. H2O)	AMPS	WATTS	HP	FAN RPM	SONE LEVEL	VOLTS/PH	COMMENTS
EF-1	GREENHECK	CEILING EXHAUST	SP-A70	50	0.20	0.14	10.0	—	777	<0.3	115/1	SEE NOTES
EF-2	GREENHECK	CEILING EXHAUST	SP-A110	100	0.20	0.19	17.0	—	932	0.4	115/1	SEE NOTES
EF-3	GREENHECK	CEILING EXHAUST	SP-A190	140	0.20	0.45	25.0	—	1138	0.8	115/1	SEE NOTES
CF-1	BIG ASS FANS	CEILING CIRCULATOR	i6 – 84"	15,576	—	—	40.2	—	110	<35 dBA	115/1	SEE NOTES
CF-2	BIG ASS FANS	CEILING CIRCULATOR	i6 – 60"	9,746	—	—	31.6	—	170	<35 dBA	115/1	SEE NOTES

NOTES:

- EF-1, & EF-3 SHALL BE INTERLOCKED WITH THE ROOM LIGHT SWITCH. EF-2 SHALL BE CONTROLLED VIA WALL-MOUNTED SWITCH. CF-1 & CF-2 SHALL BE CONTROLLED BY FIXED WALL MOUNT REMOTES INSTALLED ON WALL BEHIND SERVICE DESK IN LOBBY.
- PROVIDE EF-1, EF-2, & EF-3 WITH 6-AMP SOLID STATE SPEED CONTROL, DESIGNER GRILLE, AND MODEL VI KIT-SP/CSP VIBRATION ISOLATION KIT.
- PROVIDE CF-1 WITH STANDARD MOUNT WITH 12" DOWNROD, i6 LED LIGHT KIT, AND FIXED WALL MOUNT REMOTE.
- PROVIDE CF-2 WITH STANDARD MOUNT WITH 12" DOWNROD, IPX5 COVERED OUTDOOR ENVIRONMENT KIT, AND FIXED WALL REMOTE.

REGISTERS, GRILLES, & DIFFUSERS							
MARK	MANUFAC.	DESCRIPTION	MODEL/CAT#	AIR CONTROL	MATERIAL	FINISH	COMMENTS
A	TITUS	SUPPLY, LOUVERED FACE, 6"x6"	TDC	NONE	STEEL	#26 WHITE	SEE NOTES
B	TITUS	SUPPLY, LOUVERED FACE, 9"x9"	TDC	NONE	STEEL	#26 WHITE	SEE NOTES
C	TITUS	SUPPLY, LOUVERED FACE, 12"x12"	TDC	NONE	STEEL	#26 WHITE	SEE NOTES
D	TITUS	EGGCRATE RETURN GRILLE, 11"x22"	50F	OBD	ALUMINUM	#26 WHITE	SEE NOTES
E	TITUS	SIDEWALL RETURN/EXHAUST GRILLE	355RL	OBD	STEEL	#26 WHITE	SEE NOTES
F	TITUS	SPIRAL DUCT MOUNT SUPPLY	S300FS	ASD	ALUMINUM	#26 WHITE	SEE NOTES
G	TITUS	LINEAR SUPPLY DIFFUSER	ML-37	OBD	ALUMINUM	#26 WHITE	SEE NOTES

NOTES:

- SIZE SHOWN ON THE DRAWINGS ARE NECK SIZES. MOUNTING TO BE SURFACE OR LAY IN AS REQUIRED.
- DIRECTION OF FLOW 4-WAY UNLESS NOTED OTHERWISE.
- INSULATE TOP OF ALL SUPPLY REGISTERS AND DIFFUSERS WITH 2" THICK FIBERGLASS INSULATION.
- PROVIDE A, B, C, & D WITH BORDER TYPE 3 FOR LAY-IN INSTALLATION WHERE REQUIRED (24"x24" PANELS).
- EGGCRATES TO BE PROVIDED WITH $\frac{1}{2}$ "x $\frac{1}{2}$ "x $\frac{1}{2}$ " ALUMINUM CORES. EGGCRATE DAMPERS TO BE TITUS MODEL AG-15 OR EQUIVALENT.
- PROVIDE SIDEWALL RETURN/EXHAUST WITH TITUS MODEL AG-15 DAMPERS.
- SIDEWALL RETURN/EXHAUST GRILLES TO $\frac{1}{2}$ " BLADE SPACING.
- SPIRAL DUCT MOUNT SUPPLY GRILLES TO BE DOUBLE DEFLECTION WITH $\frac{3}{4}$ " BLADE SPACING.
- LINEAR SUPPLY DIFFUSER TO HAVE 2 - 1/2" SLOTS AND TO BE _ FEET IN LENGTH. PROVIDE WITH MODEL MPI-37 INSULATED PLENUM AND MODEL ID INLET DAMPERS.

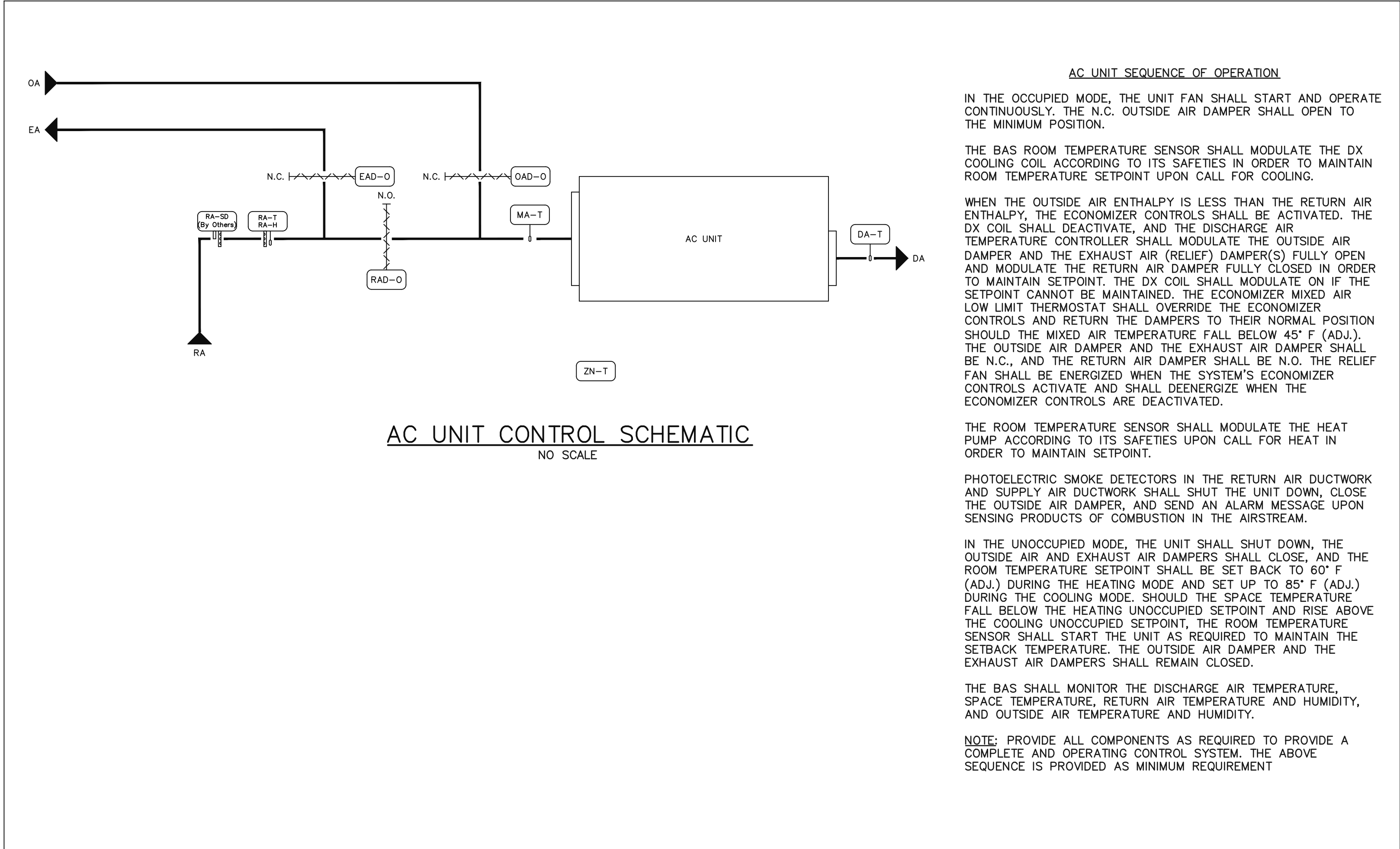
MINIMUM DUCT SEAL LEVEL				
DUCT LOCATION	DUCT TYPE			
	SUPPLY (< OR = 2" W.G.)	SUPPLY (> OR = 2" W.G.)	EXHAUST	RETURN
OUTDOORS	SMACNA SEAL CLASS A	SMACNA SEAL CLASS A	SMACNA SEAL CLASS C	SMACNA SEAL CLASS A
UNCONDITIONED SPACE	SMACNA SEAL CLASS B	SMACNA SEAL CLASS A	SMACNA SEAL CLASS C	SMACNA SEAL CLASS B
CONDITIONED SPACES (INCLUDING RETURN AIR PLENUMS)	SMACNA SEAL CLASS C	SMACNA SEAL CLASS B	SMACNA SEAL CLASS B	SMACNA SEAL CLASS C

NOTES:

SMACNA SEAL CLASS A: ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS TO BE SEALED. NON UL-181A OR UL-181B (OR OTHER INDEPENDANT TESTING LABORATORY) CERTIFIED PRESSURE SENSITIVE TAPE SHALL NOT BE USED AS THE PRIMARY SEALANT.

SMACNA SEAL CLASS B: ALL TRANSVERSE JOINTS AND LONGITUDINAL SEAMS TO BE SEALED. NON UL-181A OR UL-181B (OR OTHER INDEPENDANT TESTING LABORATORY) CERTIFIED PRESSURE SENSITIVE TAPE SHALL NOT BE USED AS THE PRIMARY SEALANT.

SMACNA SEAL CLASS C: TRANSVERSE JOINTS ONLY



PICKENS COUNTY
AIRPORT TERMINAL
193 PICKENS AIRPORT RD
JASPER, GA 30143

JOB NO. 2219
DATE 5 AUG 22
DRAWN BY GSJ
REVISIONS

DRAWING TITLE

HVAC SCHEDULES

SHEET NO.

M2.1

