



- DIMENSION RELATIONSHIPS**
1. ANGLES A & B EACH TO BE 15 DEGREES OR LESS
  2. SEE DUCT PLANS FOR VALUES FOR C, D & E.
  3. F = C + D
  4. H = 1.5 x C
  5. G = H + 3" (MINIMUM)
  6. HEIGHT OF FITTING EQUAL TO THAT OF HIGHEST OF THREE DUCTS.
  7. CHANGE IN HEIGHTS OF DOWNSTREAM DUCTS TO OCCUR AFTER THE TURN.

AIR CONDITIONING UNIT SCHEDULE (ELECTRIC HEAT)									
DESIGNATION	ACCU-1	ACCU-2	ACCU-3, 4, 5	ACCU-6	ACCU-7	ACCU-8, 9, 10			
1. TOTAL COOLING CAP (THERM)	1800	1400	1200	360	1800	1800			
2. O.A. CFM	250	200	250	-	120	120			
3. EXT. SP. N. W.G.	0.6	0.1	0.6	-	0.65	0.65			
4. COIL, ROOM/FRI	4/4	4/4	3/4	-	3/4	3/4			
5. BLOWER HP	3/4	1/2	1/3	-	1/3	1/3			
6. ELECTRICAL	208/160	208/160	208/160	208/160	208/160	208/160			
7. FILTER	" 1A	" 1A	" 1A	-	" 1A	" 1A			
8. WEIGHT	250 LBS.	250 LBS.	200 LBS.	75 LBS.	200 LBS.	200 LBS.			
9. TCA	24	20	20	9	10	10			
10. TCOF	40	30	25	5	5	5			
11. ELECTRICAL	208/160	208/160	208/160	208/160	208/160	208/160			
12. TOTAL COOLING CAP (THERM)	533	421	421	285	284	284			
13. O.A. CFM	411	321	321	84	221	221			
14. EXT. SP. N. W.G.	1.6/4	1.6/4	1.6/4	0.6/1	1.1/4.5	1.1/4.5			
15. COIL, ROOM/FRI	1/2	1/2	1/2	1/2	1/2	1/2			
16. BLOWER HP	5/8	5/8	5/8	5/8	5/8	5/8			
17. ELECTRICAL	208/160	208/160	208/160	208/160	208/160	208/160			
18. FILTER	" 1A	" 1A	" 1A	-	" 1A	" 1A			
19. WEIGHT	200 LBS.	200 LBS.	200 LBS.	75 LBS.	200 LBS.	200 LBS.			
20. TCA	24	20	20	9	10	10			
21. TCOF	40	30	25	5	5	5			
22. ELECTRICAL	208/160	208/160	208/160	208/160	208/160	208/160			
23. TOTAL COOLING CAP (THERM)	533	421	421	285	284	284			
24. O.A. CFM	411	321	321	84	221	221			
25. EXT. SP. N. W.G.	1.6/4	1.6/4	1.6/4	0.6/1	1.1/4.5	1.1/4.5			
26. COIL, ROOM/FRI	1/2	1/2	1/2	1/2	1/2	1/2			
27. BLOWER HP	5/8	5/8	5/8	5/8	5/8	5/8			
28. ELECTRICAL	208/160	208/160	208/160	208/160	208/160	208/160			
29. FILTER	" 1A	" 1A	" 1A	-	" 1A	" 1A			
30. WEIGHT	200 LBS.	200 LBS.	200 LBS.	75 LBS.	200 LBS.	200 LBS.			
31. TCA	24	20	20	9	10	10			
32. TCOF	40	30	25	5	5	5			
33. ELECTRICAL	208/160	208/160	208/160	208/160	208/160	208/160			

NOTE: FINISH COMPLETE WITH 1" X 1" X 1" FILTER BAGS, AND ELECTRONIC PROGRAMMABLE AUTO CHANGE-OVER THERMOSTATS WHICH COMPLY WITH ENERGY CODE. COORDINATE WITH EHS CONTRACTOR AS TO LOCATION AND TYPE OF ROOM THERMOSTATS, EHS BY "NCCOM". ALL UNITS SERVING CORRIDORS SHALL BE INTERLOCKED TO THE FIRE ALARM SYSTEM TO SHUT DOWN ON SMOKE DETECTION IN CORRIDORS.

FAN SCHEDULE													
DESIGNATION	SERVICE	CFM	S.P.	RPM	ROTOR	DRIVE	TYP	AMP	MOTOR	PHASE	MANUFAC.	MODEL NO.	NOTE
EF-1	JANITOR'S CLOSET	80	0.2	DIRECT	0.3	DIRECT	E	0.4	120	1	BROAN	GTXE080	1
EF-2	ELECTRIC ROOM	80	0.2	DIRECT	0.3	DIRECT	E	0.4	120	1	BROAN	GTXE080	1
EF-3	TOILET	230	0.50"	-	5.0	BELT	G	1.6/HP	120	1	COOK	080/120	1
EF-4	TOILET	230	0.50"	-	5.0	BELT	G	1.6/HP	120	1	COOK	080/120	1
EF-5	TOILET	80	0.2	DIRECT	0.3	DIRECT	E	0.4	120	1	BROAN	GTXE080	1
EF-6	MECHANICAL ROOM	80	0.2	DIRECT	0.3	DIRECT	E	0.4	120	1	BROAN	GTXE080	1
EF-7	TOILET	80	0.2	BELT	1.0	BELT	C	1.4/HP	120	1	COOK	ACES-120	2
EF-8	TOILET	80	0.2	BELT	1.0	BELT	C	1.4/HP	120	1	COOK	ACES-120	2
EF-9	TOILET	80	0.2	BELT	1.0	BELT	C	1.4/HP	120	1	COOK	ACES-120	2
EF-10	TOILET	80	0.2	BELT	1.0	BELT	C	1.4/HP	120	1	COOK	ACES-120	2

- NOTE 1. PROVIDE SEPARATE WALL SWITCH. NOTE 2. PROVIDE 1-DAY PROGRAMMABLE THERM INTERFACED TO EHS.
- A. CENTRIFUGAL VENT SET BY COULB
  - B. ROOF MOUNTED CENTRIFUGAL UPBLAST WITH SPARKPROOF WHEEL
  - C. ROOF MOUNTED CENTRIFUGAL WITH BACKDRIFT DAMPER & ROOF CURB
  - D. WALL MOUNTED PROPELLER WITH WALL COLLAR GRAVITY SPLITTER & WIRE GUARD
  - E. CEILING EXHAUSTER WITH DUCT TO WALL CAP
  - F. IN-LINE CENTRIFUGAL, SUSPEND WITH SPRING STEEL VIBRATION ISOLATORS.
  - G. WALL MOUNTED CENTRIFUGAL WITH BACKDRIFT DAMPER

PTAC AIR CONDITIONING UNIT SCHEDULE										
AC #	TONAGE	TOTAL CFM	O.A. CFM	FAN HP	COOLING TWH	HEATING TWH	VOLTS/PH	TCA	MCO	FRAME
PTAC-1	1.5	3000	-	-	9	3KW	208/1	14.5	20	PTAC080E
PTAC-2	1	4000	-	-	12	3KW	208/1	14.5	20	PTAC080E
PTAC-3	1.25	5000	-	-	15	3KW	208/1	19.5	20	PTAC080E

NOTE: FINISH COMPLETE WITH 1" X 1" X 1" FILTER BAGS, AND ELECTRONIC PROGRAMMABLE AUTO CHANGE-OVER THERMOSTATS WHICH COMPLY WITH ENERGY CODE. COORDINATE WITH EHS CONTRACTOR AS TO LOCATION AND TYPE OF ROOM THERMOSTATS, EHS BY "NCCOM". PROVIDE ARCHITECTURAL EXTERIOR LOWER EQUAL TO RELIABLE.

AIR DEVICE SCHEDULE									
DESIGNATION	TYPE	MODEL	MATERIAL	FINISH	ACCESSORIES	REMARKS			
CD	TITUS	T16	STEEL	WHITE		24"X24" OR AS SHOWN			
SR	TITUS	I2855	ALUMINUM	WHITE		DOUBLE DEFLECTION			
RG	TITUS	3595	ALUMINUM	WHITE					
ER	TITUS	3595S	ALUMINUM	WHITE					
WALL CAP	COOK	UCG-1	GALV. STEEL	-		BIRDSCREEN			
ROOF CAP	COOK	FR02	GALV. STEEL	-		BIRDSCREEN			
BRICK VENT	COOK	BV2	ALUMINUM	-		BIRDSCREEN			

ELECTRIC HEATER SCHEDULE									
MARK	CFM	EXT.	FAN HP	WATT	OUTPUT TWH	STAGES	VOLTAGE	MANUFACTURER	
UNIT HEATER	9"	-	-	25	15	1	208V	BERCO PHT-500-A	

PROVIDE WITH BUILT-IN FREEZE PROTECTION THERMOSTAT.

1 DETAILS & SCHEDULES  
NO SCALE

STATE OF TEXAS  
JAMES SIDNEY HARVEY  
8429710  
PROFESSIONAL ENGINEER  
05-24-10

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