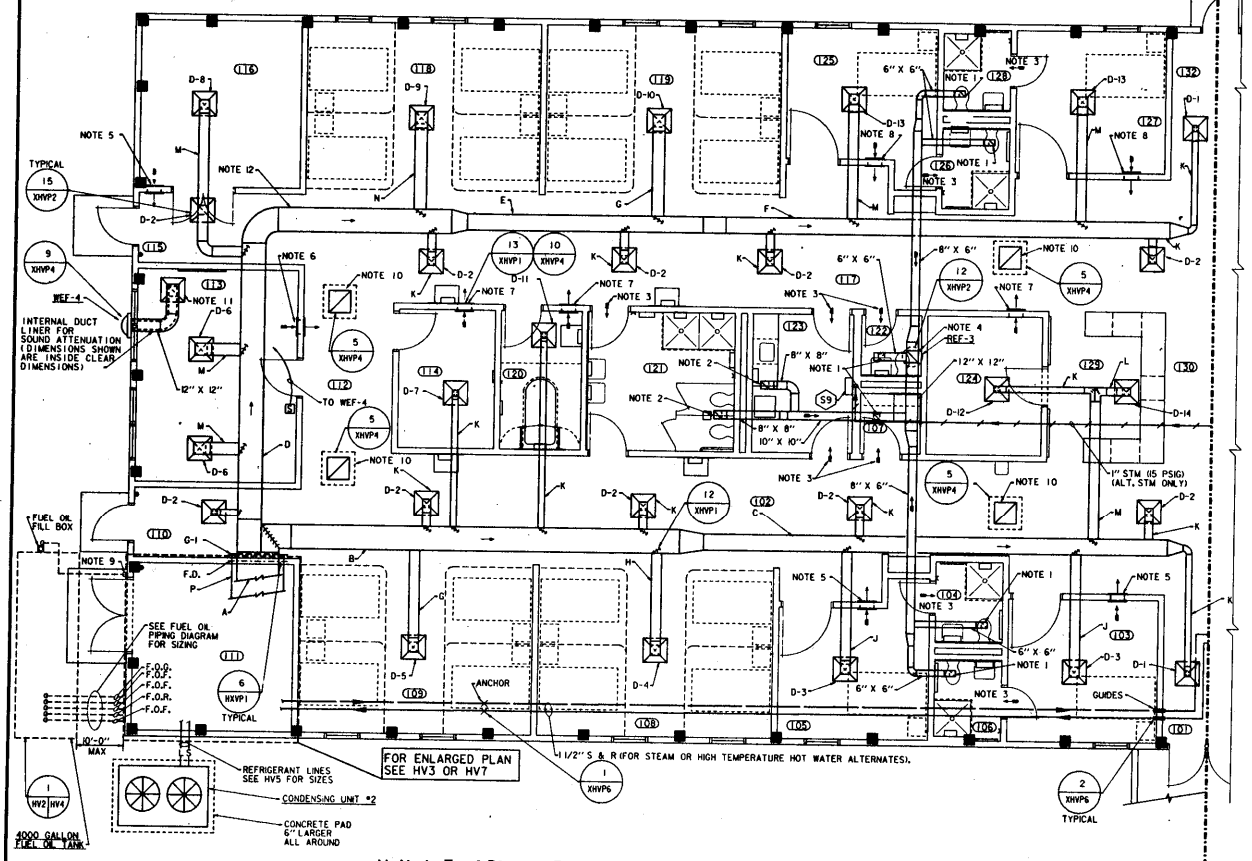
CORPS OF ENGINEERS — U. S. ARMY

PLAN NOTES:

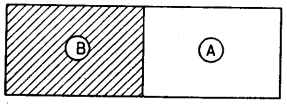
1. EXHAUST REGISTER 6'' X 6'' IN:
   RM 104-70 CFM RM 122-50 CFM
   RM 106-70 CFM RM 126-70 CFM
   RM 107-50 CFM RM 128-70 CFM
2. EXHAUST REGISTER 8'' X 8'' IN:
   RM 121-220 CFM RM 123-150 CFM
3. DOOR LOUVER, SEE ARCHITECTURAL DRAWINGS.
4. 12'' X 12'' DUCT UP TO REF-3.
5. (2) 14'' X 12'' WALL RELIEF GRILLES, HEAD AT 8'-4'' ABOVE FLOOR.
6. (2) 24'' X 18'' WALL RELIEF GRILLES, HEAD AT 8'-4'' ABOVE FLOOR.
7. (2) 10'' X 10'' WALL RELIEF GRILLES, HEAD AT 8'-4'' ABOVE FLOOR.
8. (2) 20'' X 12'' WALL RELIEF GRILLES, HEAD AT 8'-4'' ABOVE FLOOR.
9. 3'' DIAMETER FUEL OIL VENT UP TO 12'-0'' ABOVE GRADE.
10. 22'' X 22'' EXHAUST GRILLE CFM VARIES. 22'' X 22'' DUCT UP TO RELIEF VENT.
11. 14'' X 14'' EXHAUST REGISTER AT 540 CFM.
12. ALL DUCTWORK SHALL BE RUN ABOVE CEILING GRID SYSTEM WHERE POSSIBLE. WRAP ALL HEATING SYSTEM DUCT LOCATED ABOVE CEILING WITH 1 1/2 POUND DENSITY 1''THICK FOIL FACED INSULATION.

⬡ SEE ARCHITECTURAL DRAWINGS FOR EQUIPMENT SCHEDULE.



UNIT "B" HEATING, VENTILATING, AND AIR CONDITIONING FLOOR PLAN

1/4 INCH = 1 FOOT



KEY PLAN

DIFFUSER SCHEDULE

DIFFUSER #	ZONE #	NECK SIZES	MINIMUM CFM
D-1	ZONE 1 & 2	8" X 8"	170/130
	ZONE 3 & 4	6" X 6"	105/80
D-2	ZONE 1 & 2	8" X 8"	145/115
	ZONE 3 & 4	6" X 6"	100/85
D-3	ZONE 1 & 2	10" X 10"	265/220
	ZONE 3 & 4	8" X 8"	210/210
D-4	ZONE 1 & 2	12" X 12"	425/360
	ZONE 3 & 4	10" X 10"	345/345
D-5	ZONE 1 & 2	14" X 14"	550/460
	ZONE 3 & 4	12" X 12"	445/445
D-6	ZONE 1 & 2	10" X 10"	345/280
	ZONE 3 & 4	10" X 10"	270/295
D-7	ZONE 1 & 2	6" X 6"	90/75
	ZONE 3 & 4	6" X 6"	70/60
D-8	ZONE 1 & 2	8" X 8"	195/140
	ZONE 3 & 4	6" X 6"	115/80
D-9	ZONE 1 & 2	14" X 14"	675/545
	ZONE 3 & 4	14" X 14"	515/490
D-10	ZONE 1 & 2	14" X 14"	545/450
	ZONE 3 & 4	12" X 12"	425/395
D-11	ZONE 1 & 2	6" X 6"	70/60
	ZONE 3 & 4	6" X 6"	55/50
D-12	ZONE 1 & 2	6" X 6"	120/110
	ZONE 3 & 4	6" X 6"	100/90
D-13	ZONE 1 & 2	12" X 12"	360/285
	ZONE 3 & 4	10" X 10"	260/245
D-14	ZONE 1 & 2	8" X 8"	205/190
	ZONE 3 & 4	8" X 8"	180/175
D-15	ZONE 1 & 2	8" X 8"	130/120
	ZONE 3 & 4	6" X 6"	115/110
D-16	ZONE 1 & 2	10" X 10"	235/200
	ZONE 3 & 4	8" X 8"	180/160
D-17	ZONE 1 & 2	8" X 8"	165/130
	ZONE 3 & 4	6" X 6"	115/95
D-18	ZONE 1 & 2	14" X 14"	600/590
	ZONE 3 & 4	14" X 14"	595/580
D-19	ZONE 1 & 2	14" X 14"	665/540
	ZONE 3 & 4	14" X 14"	510/365
D-20	ZONE 1 & 2	14" X 14"	530/410
	ZONE 3 & 4	12" X 12"	370/330
D-21	ZONE 1 & 2	14" X 14"	520/445
	ZONE 3 & 4	12" X 12"	430/435

ROOM NAME & NUMBER LIST

NO.	NAME
101	HALLWAY
102	HALLWAY
103	1 BED ROOM
104	BATH
105	1 BED ROOM
106	BATH
107	JANITOR'S CLOSET
108	4 BED WARD
109	4 BED WARD
110	HALLWAY
111	MECHANICAL
112	HALLWAY
113	DAY ROOM
114	OFFICE
115	HALLWAY
116	EQUIPMENT ROOM
117	HALLWAY
118	4 BED WARD
119	4 BED WARD
120	TUB ROOM
121	TOILET
122	STAFF TOILET
123	SOILED UTILITY
124	WORK ROOM
125	1 BED ROOM
126	BATH
127	1 BED ROOM
128	BATH
129	NURSE'S STATION
130	HALLWAY
132	HALLWAY

DUCTWORK SCHEDULE

FURNACE OR AHU NO.	ZONE #	DUCT A	DUCT B	DUCT C	DUCT D	DUCT E	DUCT F	DUCT G	DUCT H
2	ZONE 1 & 2	50" X 16"	22" X 16"	18" X 12"	28" X 16"	16" X 16"	16" X 12"	10" X 10"	12" X 8"
	ZONE 3 & 4	40" X 16"	18" X 16"	14" X 12"	22" X 16"	16" X 12"	12" X 12"	10" X 8"	10" X 8"

FURNACE OR AHU NO.	ZONE #	DUCT J	DUCT K	DUCT L	DUCT M	DUCT N	DUCT P	DUCT R	DUCT -
2	ZONE 1 & 2	8" X 8"	6" X 6"	8" X 6"	10" X 8"	12" X 10"	60" X 20"	60" X 14"	—" X —"
	ZONE 3 & 4	8" X 8"	6" X 6"	6" X 6"	8" X 8"	10" X 10"	50" X 20"	50" X 12"	—" X —"

1/4" = 1'-0"

Symbol	Description	Date	Approved
	Revisions		

J. E. SIRRINE COMPANY
ARCHITECT - ENGINEER DIVISION
GREENVILLE, SOUTH CAROLINA

US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

Site adapt A/E :

ARMY MOBILIZATION DESIGNS
US Army Corps of Engineers

WARD - 46 BED

UNIT B HEAT VENT & AIR COND PLAN

Dwn. by : DFB
Ckd. by : JML
Reviewed by : MJC
Approved by : CMH
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Sheet 2 of 10