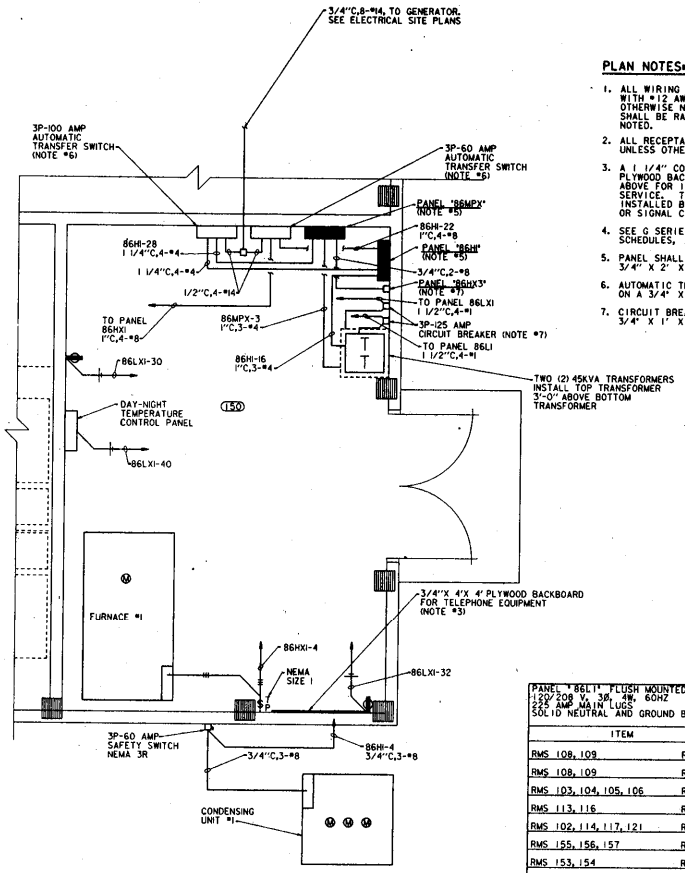
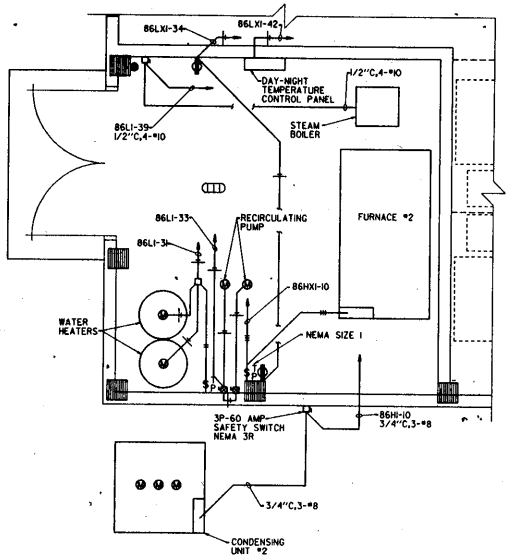


MECHANICAL EQUIPMENT ROOM #150 POWER PLAN

1/2 INCH = 1 FOOT

PLAN NOTES:

1. ALL WIRING SHOWN SHALL BE 1/2" CONDUIT WITH #12 AWG WIRE AS INDICATED UNLESS OTHERWISE NOTED. ALL WIRE INSULATION SHALL BE RATED 75°C UNLESS OTHERWISE NOTED.
2. ALL RECEPTACLES SHALL BE MOUNTED AT +48" UNLESS OTHERWISE NOTED.
3. A 1 1/4" CONDUIT SHALL BE RUN FROM THE PLYWOOD BACKBOARD TO A WEATHERHEAD ON ROOF ABOVE FOR INCOMING OVERHEAD TELEPHONE SERVICE. THE TELEPHONE SYSTEM SHALL BE INSTALLED BY THE LOCAL TELEPHONE COMPANY OR SIGNAL CORPS.
4. SEE G SERIES DRAWINGS FOR ELECTRICAL SYMBOL SCHEDULES, ABBREVIATIONS AND GENERAL NOTES.
5. PANEL SHALL BE MOUNTED ON A 3/4" X 2' X 4' PLYWOOD BACKBOARD.
6. AUTOMATIC TRANSFER SWITCH SHALL BE MOUNTED ON A 3/4" X 2' X 4' PLYWOOD BACKBOARD.
7. CIRCUIT BREAKER SHALL BE MOUNTED ON A 3/4" X 1' X 2' PLYWOOD BACKBOARD.



MECHANICAL EQUIPMENT ROOM #111 POWER PLAN

1/2 INCH = 1 FOOT

PANEL "86LI" FLUSH MOUNTED CLASS 1
120/208 V, 3Ø, 4W, 60HZ
225 AMP MAIN LUGS
SOLID NEUTRAL AND GROUND BUS

CONNECTED LOAD 40.15 KVA
DEMAND LOAD 31.09 KVA

REMARKS: ALL BREAKERS SHALL HAVE 10000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY

ITEM		LOAD	BKR	A	B	C		BKR	LOAD	ITEM	
RMS 108, 109	RECPS	0.72	1P-20	1			2	1P-20	0.72	RMS 118, 119	RECPS
RMS 108, 109	RECPS	0.72	1P-20		3		4	1P-20	0.72	RMS 118, 119	RECPS
RMS 103, 104, 105, 106	RECPS	1.08	1P-20			5	6	1P-20	0.90	RMS 125, 126, 127, 128	RECPS
RMS 113, 116	RECPS	1.08	1P-20	7			8	1P-20	0.72	RMS 133, 134, 135	RECPS
RMS 102, 114, 117, 121	RECPS	1.26	1P-20		9		10	1P-20	0.54	RMS 140, 141	RECPS
RMS 155, 156, 157	RECPS	0.72	1P-20			11	12	1P-20	0.54	RMS 140, 141	RECPS
RMS 153, 154	RECPS	0.54	1P-20	13			14	1P-20	1.08	RMS 146, 148	RECPS
RMS 153, 154	RECPS	0.54	1P-20		15		16	1P-20	0.54	RMS 141, 142	RECPS
RMS 152, 153	RECPS	0.54	1P-20			17	18	1P-20	0.54	RMS 141, 142	RECPS
RMS 152, 153	RECPS	0.54	1P-20	19			20	1P-20	0.60	SPARE	
RMS 143, 148	RECPS	1.26	1P-20		21		22	1P-20	0.60	SPARE	
REF #1, REF #5, REF #6, WEF #2		1.40	1P-20			23	24	1P-20	0.60	RM 147 WATER COOLER	
REF #3, WEF #4		0.90	1P-20			25	26	1P-20	0.60	RM 102 WATER COOLER	
SPARE		0.60	1P-20			27	28	1P-20	0.60	SPARE	
SPARE		0.60	1P-20			29	30	1P-30	2.60	K8250 TOASTER	
CIRCULATING PUMP		0.53	1P-20			31	32	1P-	0.60	SPACE	
RECIRCULATING PUMPS (2)		1.06	1P-20			33	34	1P-	0.60	SPACE	
SPARE		0.60	1P-20			35	36	1P-	0.60	SPACE	
STEAM BOILER ①		6.00	3P-30			37	38	1P-20	1.26	147, 157 RMS 112, 117, 122, 136,	RECPS
						39	40	2P-30	4.50	FOOD TRAY CART K1280	

(FOR ALTERNATE CENTRAL HEATING SYSTEM)
① NOT REQUIRED FOR ALTERNATE CENTRAL STEAM HEATING SYSTEM.

1/2" = 1'-0" 12" 6" 0 1' 2' 3' 4' 5'

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

ENLARGED POWER PLANS

Dwn. by : WLS
Ckd. by : JML
Reviewed by : WHA
Approved by : RSB
Date : 14 MAY 84
Sheet reference number : E-9
Drawing code : M 510-10-F
Design file no. : M086E09
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Sheet 9 of 11

T I : D2