PANEL "86HI" FLUSH MOUNTED CLASS I
277/480 V. 3Ø, 4W, 60HZ
400 AMP MAIN BUS
SOLID NEUTRAL AND GROUND BUS

CONNECTED LOAD 185.36 KVA
DEMAND LOAD 155.96 KVA

REMARKS: ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY

3P-300 AMP MAIN BREAKER

ITEM	LOAD	BKR	A	B	C		BKR	LOAD	ITEM
141-144, 146, 148, 151 RWS 133, 135, 138, 139, 140 LTS	3.88	1P-20	1						
154, 155, 156 RWS 150, 152, 153, LTS	2.17	1P-20	3			4	3P-80	30.21	CONDENSING UNIT #1
113, 114, 120, 121, 123 RWS 101-103, 105, 108-111 LTS	3.44	1P-20	5						
130, 132 RWS 115-119, 125, 127, LTS	2.61	1P-20	7						
SPARE	0.60	1P-20	9			10	3P-80	30.21	CONDENSING UNIT #2
SPARE	0.60	1P-20	11						
SPARE	0.60	1P-20	13						
SPACE	0.60	1P-	15			16	3P-70	40.15	PANEL 86LI
SPACE	0.60	1P-	17						
SPACE	0.60	1P-	19						
SPACE	0.60	1P-	21			22	3P-60	10.57	PANEL 86HXI
SPACE	0.60	1P-	23						
CONDENSATE RETURN PUMP ①	1.49	3P-20	27			28	3P-100	55.83	PANEL 86MPX

(FOR ALTERNATE CENTRAL HEATING SYSTEM)
① REQUIRED FOR ALTERNATE CENTRAL STEAM HEATING SYSTEM ONLY.

PANEL "86HXI" FLUSH MOUNTED CLASS I
277/480 V. 3Ø, 4W, 60HZ
100 AMP MAIN LUGS
SOLID NEUTRAL AND GROUND BUS

CONNECTED LOAD 10.57 KVA
DEMAND LOAD 8.79 KVA

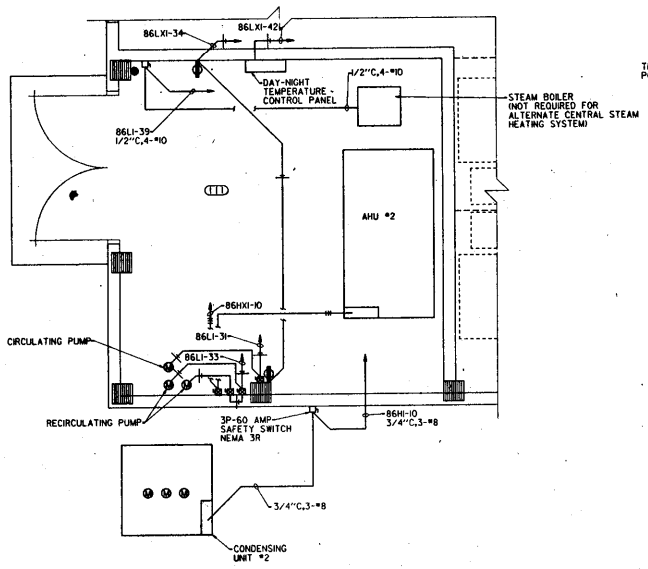
REMARKS: ALL BREAKERS SHALL HAVE 10,000 AMP SYMMETRICAL SHORT CIRCUIT CAPACITY

ITEM	LOAD	BKR	A	B	C		BKR	LOAD	ITEM
HEATING SYSTEM PUMP ①	0.83	3P-20	3			4	3P-20	3.97	AHU #1
SPARE	0.60	1P-20	7						
SPARE	0.60	1P-20	9			10	3P-20	3.97	AHU #2
SPARE	0.60	1P-20	11						

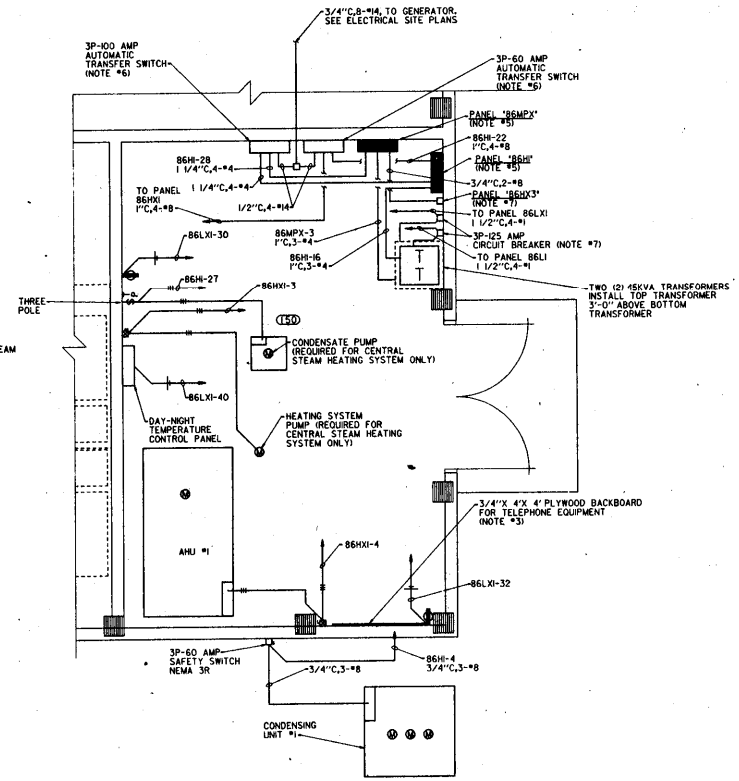
(FOR ALTERNATE CENTRAL HEATING SYSTEM)
① REQUIRED FOR ALTERNATE CENTRAL STEAM HEATING SYSTEM ONLY.

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 2' X 2' PLYWOOD BACKBOARD.



MECHANICAL EQUIPMENT
ROOM #111 POWER PLAN
1/2 INCH = 1 FOOT (FOR ALTERNATE CENTRAL HEATING SYSTEM)



MECHANICAL EQUIPMENT
ROOM #150 POWER PLAN
1/2 INCH = 1 FOOT (FOR ALTERNATE CENTRAL HEATING SYSTEM)

1/2" = 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

ALTERNATE PANEL SCHEDULES

Dwn. by : WLS
Ckd. by : JML
Reviewed by : WHA
Approved by : RSB
Date : 14 MAY 84
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Sheet reference number : E-10
Design file no. : M086E10
Rev.
Sheet 10 of 11