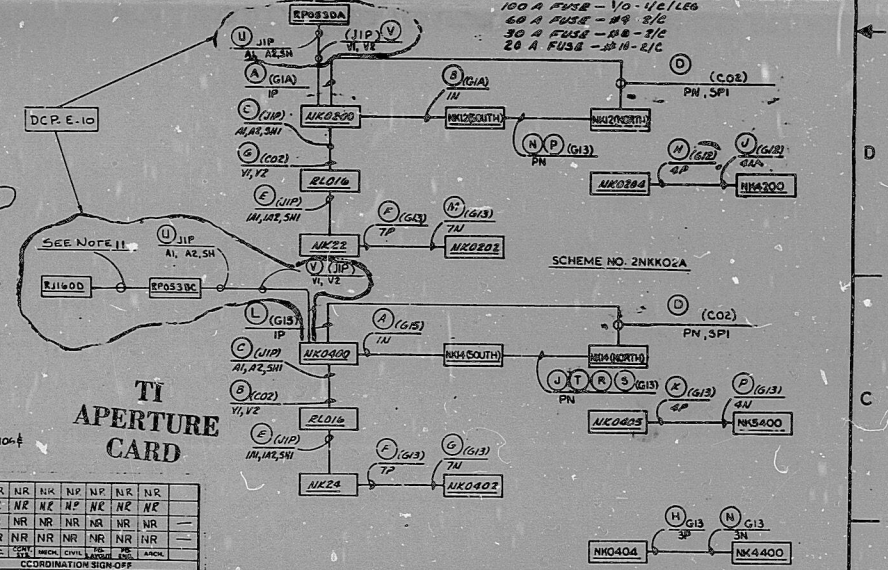


DEVICE	DESCRIPTION	MFR	TYPE	STYLE NO.
27-1	DISTR SWBD UNDERVOLTAGE RELAY	G.E.	HMA	12HMA106 (12HMA102)
27-2	CHARGER INPUT AC UNDERVOLTAGE RELAY	(NOTE 1)		
27-3	CHARGER OUTPUT DC UNDERVOLTAGE RELAY	(NOTE 1)		
27-4	BUS DC UNDERVOLTAGE RELAY	G.E.	HGV	12HGV022
27-5	AUT TIME DELAY RELAY	G.E.	NF4820	12NF4820
27-6	CHARGER DC OVERVOLTAGE RELAY	(NOTE 1)		
27-7	BUS DC GROUND DETECTOR RELAY	G.E.	HGV SPECIAL	12HGV022 (12HGV022)
A	BATTERY AMMETER	G.E.	DB-40	12DB-40
V	BATTERY MONITOR	VITRO	2210	2210-000-7
WT	VOLTMETER	G.E.	DB-40	12DB-40
WL	WHITE LIGHT	G.E.	ET16	12ET16
	SELECTOR SWITCH	G.E.	50M	10CE467
AI	CHARGE AMMETER	(NOTE 1)		
VI	CHARGE VOLTMETER	(NOTE 1)		

CONTACTS	POS TEST	NEG TEST	OFF	METER TEST
1 - II - BT	X			X
2 - II - BT		X		X
3 - II - BT			X	
4 - II - BT	X			X

GROUND TEST SELECTOR SW (G.E. TYPE 50M) (NOTE 6)

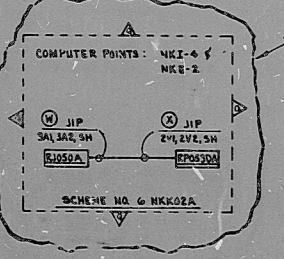
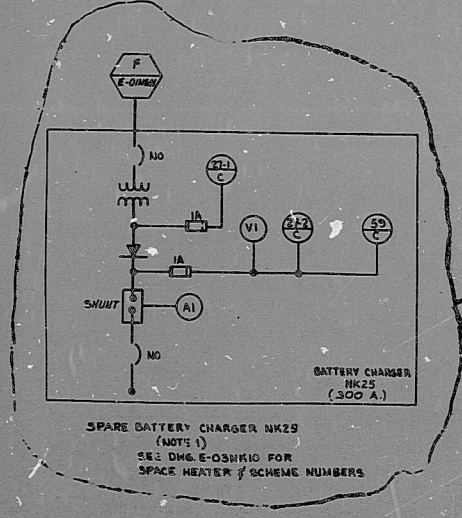
- NOTES:
- THE SPARE CHARGER WILL HAVE A CAPACITY EQUAL TO THE LARGEST OF THOSE IT MUST REPLACE. THE SPARE WILL BE PHYSICALLY LOCATED CENTRAL TO THE CLASS I.E. D.C. SYSTEM, HOWEVER ONLY THE LINE SHALL BE CONNECTED FOR TESTING PURPOSES. THE SPARE CHARGER WILL PHYSICALLY REPLACE ANY ONE OF THE 4 CHARGERS IN THE EVENT OF FAILURE.
 - THE BATTERY CHARGER INPUT BATTERY AND CONTACT OUTPUT BATTERY AND CONTACT, CHGR FAILURE RELAY, INPUT AC UNDERVOLTAGE RELAY (27-1/C), OUTPUT DC UNDERVOLTAGE RELAY (27-2/C), OUTPUT DC OVERVOLTAGE RELAY (27-3/C), BUS UNDERVOLTAGE RELAY (27-7/B), DISTR SWBD UNDERVOLTAGE RELAY (27-1/B), GROUND DETECTION ALARM RELAY (27-7/B) AND BATTERY MONITOR PROVIDE INDIVIDUAL INDICATION AT THE SWITCHBOARD AND SUMMARY ANNUNCIATION IN THE CONTROL ROOM.
 - CABLES IDENTIFIED BY 4 AIRS SEPARATION GROUP 4. ALL OTHER CABLES IDENTIFIED WITH BUS NK02 ARE SEPARATION GROUP 2, UNLESS OTHERWISE NOTED.
 - BUS NK08 AND ALL CABLES IDENTIFIED WITH AIRS SEPARATION GROUP 4.
 - DISTRIBUTION PANEL OUTPUT CABLES SHALL BE IDENTIFIED AS FOLLOWS:
100 A FUSE - 1/2" - 1/2" LG LEG
60 A FUSE - 1/4" - 3/4"
30 A FUSE - 1/8" - 3/4"
20 A FUSE - 1/8" - 1/2"



14	NR	NR	NR	NR	NR	NR	NR
17	NR	NR	NR	NR	NR	NR	NR
18	NR	NR	NR	NR	NR	NR	NR
19	NR	NR	NR	NR	NR	NR	NR
20	NR	NR	NR	NR	NR	NR	NR
21	NR	NR	NR	NR	NR	NR	NR
22	NR	NR	NR	NR	NR	NR	NR
23	NR	NR	NR	NR	NR	NR	NR
24	NR	NR	NR	NR	NR	NR	NR
25	NR	NR	NR	NR	NR	NR	NR
26	NR	NR	NR	NR	NR	NR	NR

COORDINATION SIGN OFF
E-01NK02 (Q)

- NOTES (CONT):
- AN UNGROUND POSITIVE CIRCUIT IS INDICATED BY A WAVE LEADING OF ~66 VOLTS WHEN THE GROUND TEST SWITCH IS IN THE POSITIVE TEST POSITION. A SIMILAR TEST CAN BE PERFORMED TO SHOW AN UNGROUND NEGATIVE CIRCUIT.
 - DELETED.
 - THIS POSITION IS A SPARE ON THE KANSAS SITE.
 - FOR MFR TYPE AND STYLE NO. OF BATTERY CHARGER DEVICES SEE PCP DRAWING, BECHTEL VP NO. E-031-0003.
 - FOR SCHEME & WIRE NO. SEE DWG. NO. E-031-0003.
 - SEE DETAIL 'A' FOR AMMETER/POTENTIOMETER CIRCUIT AND TABLE 'E' FOR INSTRUMENT NUMBERS ON DWG. NO. E-031-0003 (Q).



SCHEME NO. 1NK02A

NO.	DATE	BY	CHKD	APP'D
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BECHTEL
BATHINGEN, MARYLAND
SNUPPS
CLASS I.E. 125V DC SYSTEM
METER & RELAY DIAGRAM

UTILITY DRAWING NO. 10466
E-CINK02 (Q) 17

8410090108

PDR RIDS

