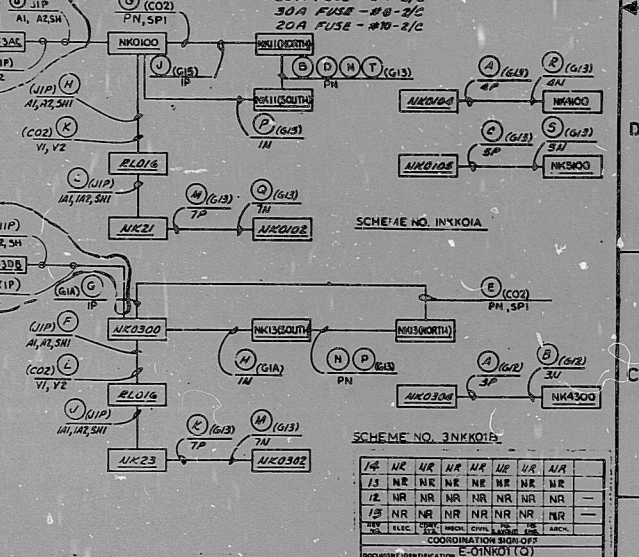


DEVICE	DESCRIPTION	MFR	TYPE	STYLE NO.
27-1	DISTR. SWBD UNDERVOLTAGE RELAY	G.E.	HMA	12HMA106
27-2	CHARGER INPUT A.C. UNDERVOLTAGE RELAY	(NOTE 9)		
27-3	CHARGER OUTPUT A.C. UNDERVOLTAGE RELAY	(NOTE 9)		25H307-01
27-4	BUS D.C. UNDERVOLTAGE RELAY	G.E.	NGV	12HMA106
27-5	BUS D.C. OVERVOLTAGE RELAY	(NOTE 9)		25H307-01
27-6	BUS D.C. GROUND DETECTOR RELAY	G.E.	NGV	12HMA106
27-7	BATTERY AMMETER	G.E.	DB-40	55-4811000-2
27-8	BATTERY MONITOR	VITRO	2210	2210A-1000-2
27-9	VOLTMETER	G.E.	DB-40	55-4811000-2
27-10	WHITE LIGHT	G.E.	ET-16	027BA0020A
27-11	SELECTOR SWITCH	G.E.	SBM	10CR467
27-12	CHARGER AMMETER	(NOTE 9)		
27-13	CHARGER VOLTMETER	(NOTE 9)		
27-14	EMER. LIGHTING SWBD CONTACTS	G.E.	IC1000	IC1000-1000-2

CONTACTS	POS TEST	NEG TEST	OFF	METER TEST
1-11-01T	X			X
1-11-02T		X		X
3-11-03T		X		X
4-11-04T	X			

NOTES:

- THE BATTERY CHARGER INPUT BRKR AUX CONTACT, OUTPUT BRKR AUX CONTACT, FAILURE RELAY, INPUT A.C. UNDERVOLTAGE RELAY (27-1C), OUTPUT D.C. UNDERVOLTAGE RELAY (27-2C), OUTPUT D.C. OVERVOLTAGE RELAY (27-5C), BUS UNDERVOLTAGE RELAY (27-6B), DISTR. SWBD UNDERVOLTAGE RELAY (27-1B), GROUND DETECTION ALARM RELAY (27-6A), AND BATTERY MONITOR PROVIDE INDIVIDUAL INDICATION AT SWITCHBOARD AND SUMMARY ANNUNCIATION IN THE CONTROL ROOM.
- BUS AIDED AND ALL CABLES IDENTIFIED WITH IT ARE SEPARATION GROUP 1.
- CABLES IDENTIFIED BY 1 ARE SEPARATION GROUP 1. ALL OTHER CABLES IDENTIFIED WITH BUS AIDED ARE SEPARATION GROUP 3, UNLESS OTHERWISE NOTED.
- DISTRIBUTION PANEL OUTPUT CABLES SHALL BE AS FOLLOWS:
100 A FUSE - 1/0-1/0 LEG
60 A FUSE - #6-1/0
30 A FUSE - #8-2/0
20 A FUSE - #10-2/0



- NOTES: (CONT.)**
- FOR MANUFACTURE, TYPE AND STYLE NUMBER OF ALL METERS ON MAIN CONTROL BOARD (E-10) SEE DWG 10466-J-01016.
 - THIS POSITION IS A SPARE ON THE KANSAS SITE.
 - DELETED.
 - EMERGENCY LIGHTING SWBD CONTACTS IS UNWARRANTED. IT IS OBSOLETE ONLY ON LOSS OF CLASS I.E. AC POWER. SEE DWG NO. E-030003.
 - FOR MFR, TYPE AND STYLE NO. OF BATTERY CHARGER DEVICES SEE P.C.R. DRAWING, BECHTEL V.R. 40. E-051-0003.
 - ON UNWARRANTED POSITIVE CIRCUIT IS INDICATED BY A VOLTAGE POINT OF 2.6 VOLTS WHEN THE GROUND TEST SWITCH IS IN THE POSITIVE TEST POSITION. A SIMILAR TEST CAN BE PERFORMED TO SHOW AN UNWARRANTED POSITIVE CIRCUIT.
 - FOR SCHEMATIC AND WIRE NO. SEE DRAWING NO. E-030007.
 - SEE DETAIL 'A' FOR AMMETER/POTENTIOMETER CIRCUIT AND TABLE 'E' FOR INSTRUMENT NUMBERS ON DRAWING E-030011(Q).

BECHTEL
GAINESBURG, HARTLAND

SNUPPS
CLASS I E 125V DC SYSTEM
METER & RELAY DIAGRAM

UTILITY DRAWING NO. REV

10466 E-OINKOI (Q) 15

SCALE 7/8" = 1"

DATE 10/19/66

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

APPROVED BY: [Signature]

COORDINATION SIGN-OFF

REVISIONS

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PDR RIDS

