

DEVICE	DESCRIPTION	MFR	TYPE	STYLE NO.
1B7	DIESEL GENERATOR			
D0	DIFFERENTIAL RELAY	W	SA-1	290825A10
1M1	DIESEL GENERATOR FIELD			
D5	GROUND DETECTION RELAY	W	BSP	1079175
D9	DIESEL GENERATOR			
D0	UNDERFREQUENCY RELAY	W	CF-1	294958A10
151M	DIESEL GENERATOR NEUTRAL			
D0	GROUND OVERCURRENT RELAY	W	COO	364C01A01
150	DIESEL GENERATOR			
D0	OF FIELD RELAY	W	HLP	290348A10
132	DIESEL GENERATOR REVERSE			
D0	POWER RELAY	W	CRN-1	280838A08
157M	DIESEL GENERATOR			
D0	UNDERVOLTAGE RELAY	GE	NGV	1530V33A1A
127-2	DIESEL GENERATOR UNDERVOLTAGE RELAY	W	CV-2	1876008 A
D0	URG. PHASE			
142	SEQUENCE RELAY	W	COQ	249406A08
186-3	LOCKOUT RELAY	GE	HEA	186AC/CS46
D0				
152	SYNCHRONIZING CHECK RELAY	GE	GES	126484M 10
D0				
151	VOLTAGE RESTRIAINED OVERCURRENT RELAY	GE	IUCV	111C/VS1A13A
D0	DIESEL GENERATOR			
D0	OVERCURRENT RELAY	GE	IAC66	124AC/MSB
153	DIESEL GENERATOR UNDERVOLTAGE RELAY	W	CV-2	1875912 A
D0				
V	VOLT METER	W	KA-24	298463A11
A1	AMMETER	W	O-1500A	291840A30
KW	KILOWATT METER	W	O-KMW	400CT1837
VAR	VAR METER	W	25-0-18	200C03M19
PF	POWER FACTOR METER	W	GS-145	770873A11
WL	WHITE LIGHT	GE	ET16	016L620865W
KWH	KILOWATT HOUR METER	W	D48-GP	264CT-18504
F	FREQUENCY METER	W	K18-28	796528A10
T	CURRENT TRANS-DUCER	GE	472	50-472S01POCS
S	TRANSFER SWITCH	GE	N2	508470200
TS1	TEST SWITCH	W	FF-1	124591A01
186-2	LOCKOUT RELAY	GE	HEA	186AC/MSB
A2, V2	GEN. FIELD AMMETER, VOLTMETER	W	K1-241	297414/MSB/1122
S	SHUNT	ENPRO	140	144-100-50
T.S.B.	TEST SWITCH	W	TSU	123403A01
10WRT	WATT METER TRANS-DUCER	GE	472	50-472S01POCS
10WRT	VAR METER TRANS-DUCER	GE	472	50-472S01POCS

TI APERTURE CARD

- RELAY 151/DO WILL TRIP THE DIESEL GENERATOR BREAKER WHEN THE DG IS OPERATING IN THE EMERGENCY MODE.
- FOR MANUFACTURER, TYPE AND STYLE NUMBER OF ALL METERS ON MAIN CONTROL BOARD (ALOS) SEE DWG. 10466-U-04010.
- DELETED.
- RELAY 151/DO, 152/DO, 161/DO, 162/DO, 151-152/DO, AND 151/DO WILL TRIP DIESEL GENERATOR BREAKER ONLY WHEN DG IS OPERATING IN PARALLEL WITH PREPARED POWER.
- ALL EQUIPMENT ASSOCIATED WITH DIESEL GENERATOR NEEDS SEPARATION GROUP 1. ALL EQUIPMENT ASSOCIATED WITH DIESEL GENERATOR NEEDS IS SEPARATION GROUP 4.
- DELETED.
- FOR PROTECTIVE RELAY FUNCTIONS SEE LOGIC DIAGRAM 10466-E-02NEO1/5 GE.
- FOR GENERAL NOTES, SYMBOLS AND EQUIPMENT LOCATION INDEX SEE DWG. 10466-E-01005.

NOTICE: ALTERATION OF THIS DOCUMENT BY ANY PERSON OTHER THAN A LICENSED PROFESSIONAL ENGINEER OR A PERSON ACTING UNDER HIS OR HER DIRECTOR IS UNLAWFUL.

PROFESSIONAL SEAL APPLIED TO THIS DRAWING.

DESIGNED BY	DWG. NO.	REV.
CHECKED BY	DATE	

REVISIONS:

NO.	DATE	BY	REVISIONS

BECHTEL
GAITHERSBURG, MARYLAND

SNUPPS
STANDBY GENERATION SYSTEM
METER AND RELAY DIAGRAM

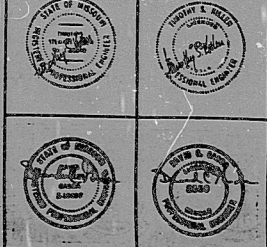
JOB NO. 10466 E-01NEO(Q) 3

SCALE: AS SHOWN / DRAWN: S. J. / DATE: 6/18/66 / DESIGNED: R. J. / CHECKED: S. J.

THE FIRST DRY OF DEVICE NUMBER IS USED TO DESIGNATE VOLTAGE LEVEL

4	ABOVE 25 KV
3	25 KV
2	15.0 KV
1	4160 V.
AND NUMBER	100 V. & BELOW

REVIEW LEVEL 1



8410090095

PDR RIDS

