

DEVICE	DESCRIPTION	MFR.	TYPE	STYLE NO.
150-181	TRANSFORMER OVERCURRENT RELAY	G.E.	1AC33	12AC33AB2A
1500	TRANSFORMER & BOUND OVERCURRENT RELAY	G.E.	1AC11	12AC11A11
311	TRANSFORMER NEUTRAL OVERCURRENT RELAY	G.E.	1AC33	12AC33B11A
27	BUS UNDERVOLTAGE RELAY	G.E.	1AV53	12AV53A11
126	TRANSFORMER LOCKOUT RELAY	G.E.	126AL	126AL1235
A1	AMMETER	J.E.	AB40	5A-1031313C
V	VOLTMETER	G.E.	AB40	5A-1031313C
17	CURRENT TRANSDUCER	G.E.	472	51-37210170
TS-2	TEST SWITCH	H.	FT-1	129AS11401
A2	AMMETER	J.E.	AB40	5A-1031313C
TS-1	TEST SWITCH	W	FT-1	251B956G10

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

4	3	2	1	0
ABOVE 25 KV	25 KV	13.8 KV	4160 V.	480 V. BELOW

SERVICE	BREAKER NO.	FULL LOAD AMP	BRK TYPE	SELECTED PICK-UP (A)	TRIP TIME (SEC)	TRIP TYPE	TRIP PICK-UP (A)	TRIP TIME (SEC)	TRIP PICK-UP (A)	TRIP TIME (SEC)
MAIN	0101, 0301	1200	ME-50	1400	0.5X	INTE	1200	0.25	0.7X	0.3
TIE	0116	1200	ME-50	1500	0.5X	INTE	1200	0.25	0.7X	0.3
MCC	0106, 0107, 0306, 0307	600	ME-30	800	0.5X	INTE	600	0.25	0.8X	0.3
150 HP	0104	171	ME-30	300	2.25	1.0X	INTE	171	0.4X	0.3
49 KW	0302, 0303	59	ME-30	300	0.5X	INTE	59	0.4X	0.3	0.3
75 EM	0304	96	ME-30	300	1.0X	INTE	96	0.4X	0.3	0.3
94 KW	0105	110	ME-30	300	0.5X	INTE	110	0.4X	0.3	0.3
CALLAWAY	0107	100	ME-30	300	0.5X	INTE	100	0.4X	0.3	0.3
150 HP	0302	174	ME-30	300	2.25	1.0X	INTE	174	0.4X	0.3

- NOTES:
- FOR MANUFACTURE, TYPE AND STYLE NUMBER OF ALL METERS ON MAIN CONTROL BOARD (E1015) SEE DWG. 10466-1-010.
 - FOR GENERAL NOTES AND EQUIPMENT LOCATION INDEX SEE DWG. 10466-2-0100.
 - FOR PROTECTIVE RELAY FUNCTIONS, SEE LOGIC DIAGRAM 10466-8-01001 THRU 8-01004.
 - EQUIVALENT RELAY CAN BE SUBSTITUTED IF NECESSARY.
 - CABLES ASSOCIATED WITH L.C. NB01 AND L.C. NB03 ARE SEPARATION GROUP 1.

EACH CIRCUIT BREAKER IS EQUIPPED WITH SOLID STATE OVERCURRENT TRIP WITH CHARACTERISTIC AND SETTINGS AS INDICATED IN TABLE.

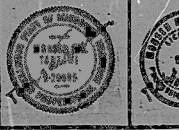
NO.	DATE	REVISIONS	BY	CHK	APP
1	DATE 7-8-79	DESIGNED BY	J. J. J.		
2		DRAWN BY	J. J. J.		

BECTEL
GAITHERSBURG, MARYLAND

SMUPPS
LOW VOLTAGE SYSTEM
CLASS 1E 480 V. SINGLE LINE
METER & RELAY DIAGRAM

10466 E-INGOI (Q) 11

TO	NR	NR	NR	NR	NR	NR	NR	NR
1	NR	NR	NR	NR	NR	NR	NR	NR
2	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR
5	NR	NR	NR	NR	NR	NR	NR	NR
6	NR	NR	NR	NR	NR	NR	NR	NR
7	NR	NR	NR	NR	NR	NR	NR	NR



REVIEW LEVEL 1

I certify that the info contained on this form was made in the normal and regular course of business, on the date stated below and that it is as accurate as possible in all respects. I am a duly licensed Professional Engineer in the State of Maryland. My license number is 10000.

8410090097

PDR RIDS

