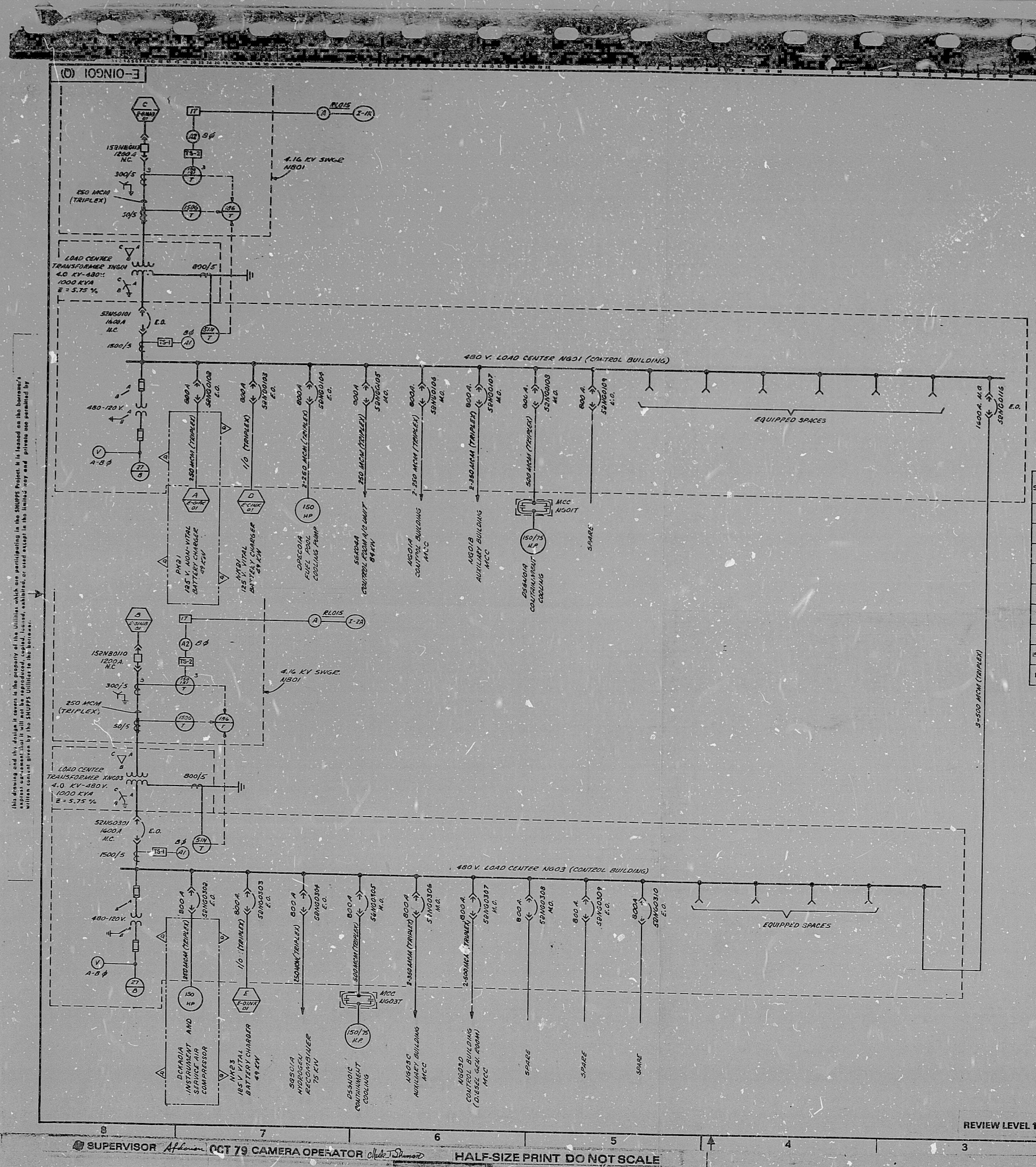




DEVICE	DESCRIPTION	MFR.	TYPE	STYLE
120-INT	TRANSFORMER OVERCURRENT RELAY	G.E.	120-INT	120-INT
1500	TRANSFORMER GROUND OVERCURRENT RELAY	G.E.	1500	1500
1511	TRANSFORMER NEUTRAL OVERCURRENT RELAY	G.E.	1511	1511
27	BUS UNDERVOLTAGE RELAY	G.E.	27	27
186	TRANSFORMER LOCKOUT RELAY	G.E.	186	186
A1	AMMETER	G.E.	A1	A1
V	VOLTMETER	G.E.	V	V
17	CURRENT TRANSFORMER	G.E.	17	17
TS-2	TEST SWITCH	W.	TS-2	TS-2
A2	AMMETER	G.E.	A2	A2
TS-1	TEST SWITCH	W.	TS-1	TS-1

THE FIRST DIGIT OF DEVICE NUMBER IS USED TO DESIGNATE VOLTAGE LEVEL	
4	ABOVE 25 KV
3	25 KV
2	13.8 KV
1	4160 V.
0	480 V. & BELOW

SERVICE	BREAKER NO.	FULL LOAD AMP	BRK TYPE	SENSE TAP AMP	SENSE TAP (X)	LOAN TIME (SEC)	SHUT TIME (SEC)	INST. PICK-UP (SEC)	GROUND PICK-UP (SEC)
MAIN	0101, 0301	1700	MR-30	1600	1.0X	0.9X	3L	0.7X	0.7X
TIE	0114	1200	MR-30	1600	1.0X	0.9X	3L	0.7X	0.7X
MCC	0104, 0107, 0306, 0307	600	MR-30	800	1.0X	0.9X	3L	0.7X	0.7X
150 HP	0104	170	MR-30	300	1.0X	0.9X	3L	0.7X	0.7X
49 KW	0102, 0103, 0303	53	MR-30	300	1.0X	0.9X	3L	0.7X	0.7X
75 KW	0304	95	MR-30	300	1.0X	0.9X	3L	0.7X	0.7X
84 KW	0105	110	MR-30	800	1.0X	0.9X	3L	0.7X	0.7X
150 HP	0302	174	MR-30	300	1.0X	0.9X	3L	0.7X	0.7X

- NOTES:
- FOR MANUFACTURED, TYPE AND STYLE NUMBER OF ALL DEVICES ON MAIN CONTROL BOARD (E-0101).
 - FOR GENERAL NOTES AND EQUIPMENT LOCATION INDEX SEE DWG. 10466-J-0401.
 - FOR PROTECTIVE RELAY FUNCTIONS, SEE LOW VOLTAGE SYSTEM 10466-E-0101 THRU E-0104.
 - EQUIVALENT RELAY CAN BE SUBSTITUTED IF NECESSARY.
 - CABLES ASSOCIATED WITH L.C. NG01 AND L.C. NG03 ARE SEPARATELY GROUPED.

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

NOTES: ALTERATION OF THIS DOCUMENT BY ANY PERSON OTHER THAN A LICENSED PROFESSIONAL ENGINEER OR A PERSON ACTING UNDER HIS OR HER DIRECTION IS ILLEGAL.

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DATE: 7-20-77

DESIGNED BY: [Signature]

PROFESSIONAL ENGINEER

BECHTEL

SAINT LEONARD, MARYLAND

SNUPPS

LOW VOLTAGE SYSTEM

CLASS 1E 480 V. SINGLE LINE

METER & RELAY DIAGRAM

DATE: 7-20-77

DESIGNED BY: [Signature]

PROFESSIONAL ENGINEER

10466

E-0101 (0) 5

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