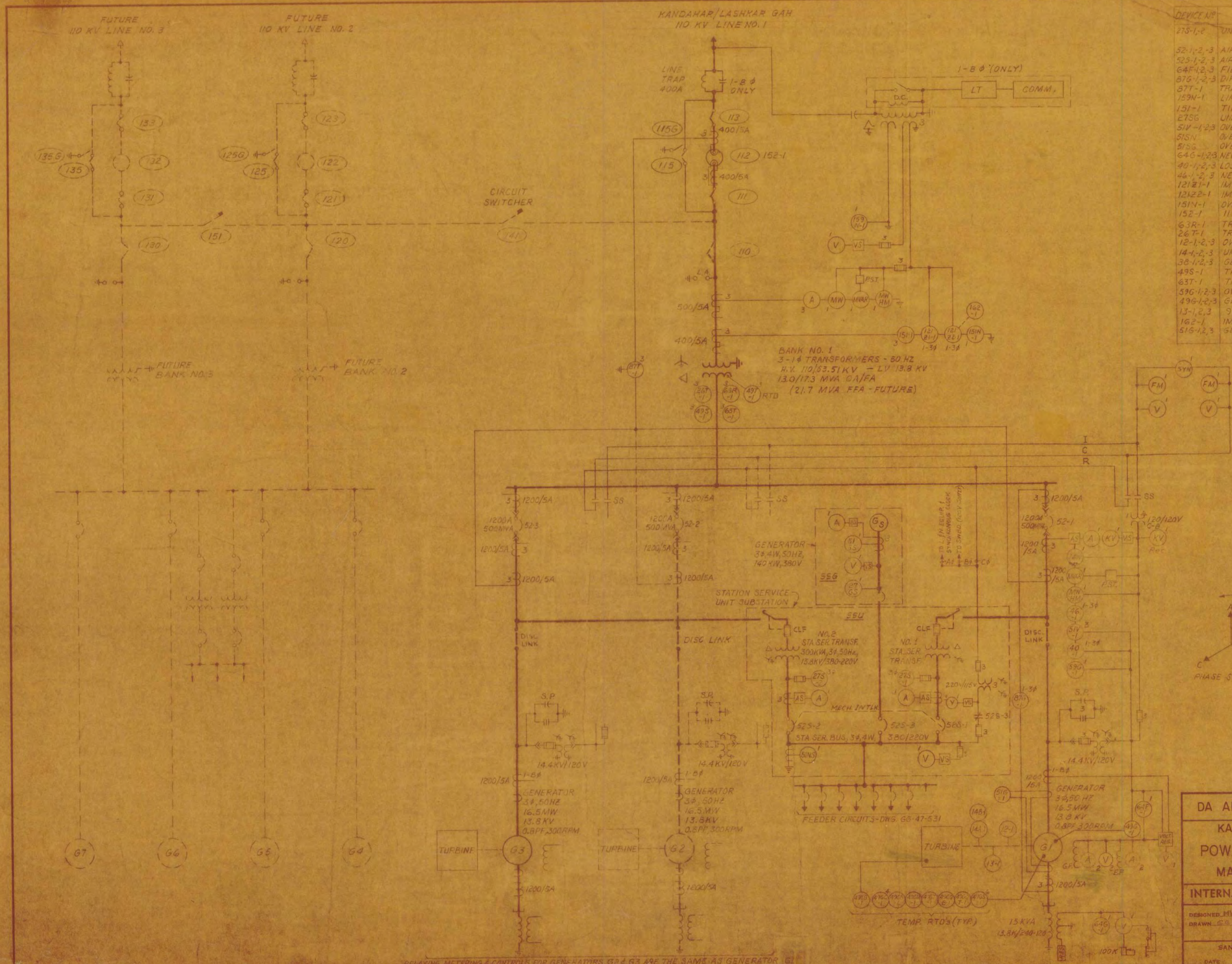

DEVICE No.	DESCRIPTION	TYPE
27S-1,-2	UNDERVOLTAGE RELAY STATION SERVICE 1,2	
52-1,-2,-3	AIR CIRCUIT BREAKER UNITS 1,2,3	
52S-1,-2,-3	AIR CIRCUIT BREAKER, STATION SERVICE 1,2,3	
64F-1,-2,-3	FIELD GROUND RELAY, GEN. 1,2,3	PJG
87G-1,-2,-3	DIFFERENTIAL RELAY GENERATOR 1,2,3	CFD
87T-1	TRANSFORMER DIFFERENTIAL RELAY	BDD
159N-1	LINE ZERO SEQUENCE OVERVOLTAGE	IAV51K
151-1	TIME OVERCURRENT RELAY	IAC
27SG	UNDERVOLTAGE RELAY STA. SER. GENERATOR	
51V-1,-2,-3	OVERCURRENT RELAY, VOLTG. RESTR., GEN. 1,2,3	IJCV
51SN	OVERCURRENT RELAY STN. SERV. TRANSF. 1,2	
51SG	OVERCURRENT RELAY 100KW GENERATOR	
64G-1,-2,-3	NEUTRAL OVERVOLTAGE RELAY, GEN. 1,2,3	IAV
40-1,-2,-3	LOSS OF EXCITATION RELAY, GEN. 1,2,3	CEH
46-1,-2,-3	NEGATIVE PHASE SEQUENCE RELAY, GEN. 1,2,3	INC
121Z1-1	IMPEDANCE RELAY, ZONE 1	CEY51
121Z2-1	IMPEDANCE RELAY, ZONE 2	CEY52
151N-1	OVERCURRENT RELAY	IAC
152-1	110KV LINE O.C.B.	
63R-1	TRANSFORMER SUDDEN PRESSURE	
26T-1	TRANSF. OIL TEMP. INDICATOR	
12-1,-2,-3	OVERSPEED SWITCH, GEN. 1,2,3	
14-1,-2,-3	UNDERSPEED SWITCH, GEN. 1,2,3	
38-1,-2,-3	GEN. BEARING TEMP. DETECTOR, GEN. 1,2,3	
49S-1	TRANSFORMER WINDING TEMP.	
63T-1	TRANSF. COOLING OIL LEVEL	
59G-1,-2,-3	OVERVOLTAGE RELAY, GEN. 1,2,3	IAV-71
49G-1,-2,-3	GEN. STATOR WINDING TEMP. RELAY, GEN. 1,2,3	IRT
13-1,2,3	95% SYNCHRONOUS SPEED	
162-1	IMPEDANCE RELAY ZONE 2 TIMER	SAM
51G-1,2,3	GEN. GROUND SHIELD DIFFERENTIAL RELAY	GRD

NO.	DATE	MADE	CHKD.	APPD.
5	11/13/75	RRA		
	AS BUILT			
4	1/30/75	RRA		
	Field Revisions			
3	8/31/73			
	Updated			
2	8/15/73			
	Updated			
1	3/22/73	MGS		
	REVISED AND UPDATED			
B	1/15/73			
	ISSUED FOR CONSTRUCTION			
A	7/30/71			
	ISSUED FOR PREPARATION OF PROPOSALS			

REVISIONS

DA AFGHANISTAN BRESHNA MOASSESSA

KAJAKAI HYDROELECTRIC PROJECT

POWERHOUSE AND SWITCHYARD

MAIN POWER ONE LINE DIAGRAM

INTERNATIONAL ENGINEERING COMPANY, INC.

DESIGNED MH-HEA
DRAWN GG
CHKD. MH-
INSP. V.T. Adhary
SUBMITTED
RECOMMENDED
APPROVED

SAN FRANCISCO, CAL.
DATE JULY 30, 1971

GG-47-501 R5