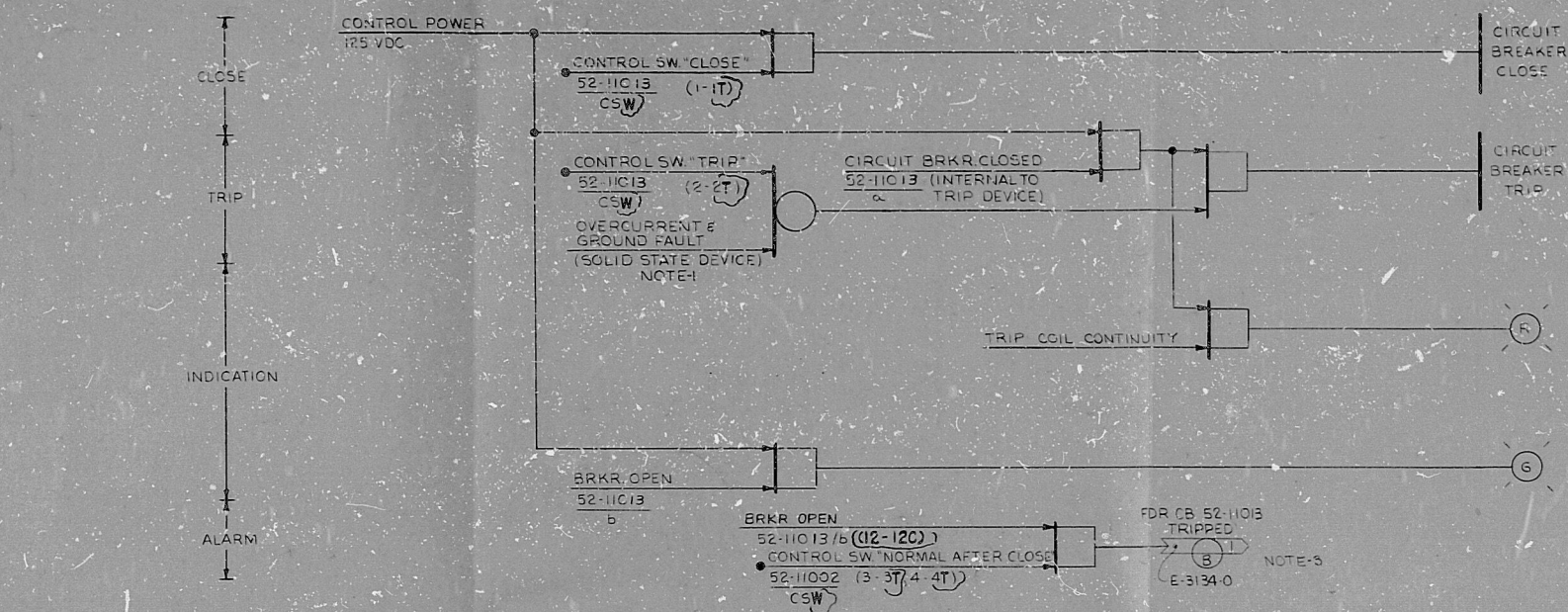


E-3132-0 (Q)

SCHEME NO. 180110 S/U-NH
CIRCUIT BREAKER 52-11013

UNIT-1, TYP FOR UNIT-2	SCHEME	CIRCUIT BREAKER	UNIT SUBSTA	CONTROL SWITCH	CONNECTED LOAD	S/U
180110	52-11013	10B110	52-11013/CSW	MCC 10B112	NH	
180112	52-11023	10B112	52-11023/CSW	10B111		
180113	52-11033	10B113	52-11033/CSW	10B113		
180114	52-12013	10B120	52-12013/CSW	10B122		
180115	52-25024	10B250	52-25024/CSW	PP 10B253		
180116	52-12023	10B120	52-12023/CSW	MCC 10B121		
180117	52-12033	10B120	52-12033/CSW	10B123		
180119	52-13023	10B130	52-13023/CSW	MCC 10B131		
180121	52-13033	10B132	52-13033/CSW	10B132		
180122	52-13012	10B130	52-13012/CSW	LP 10L102	QA REF 6	
180124	52-14023	10B140	52-14023/CSW	MCC 10B141	NH	
180125	52-14033	10B142	52-14033/CSW	10B144		
180126	52-14033	10B142	52-14033/CSW	10B143		
180127	52-14013	10B142	52-14013/CSW	10B142		
180128	52-25012	10B250	52-25012/CSW	10B254		
180129	52-25013	10B250	52-25013/CSW	10B255		
180130	52-25023	10B250	52-25023/CSW	10B253		
180131	52-26012	10B260	52-26012/CSW	10B264		
180132	52-26013	10B260	52-26013/CSW	10B265		
180133	52-26023	10B260	52-26023/CSW	10B263		
180134	52-49022	10B490	52-49022/CSW	10B491		
180135	52-49024	10B490	52-49024/CSW	10B493		
180170	52-25014	10B250	52-25014/CSW	PP 10B258		
180171	52-26014	10B260	52-26014/CSW	10B268		
180172	52-26024	10B260	52-26024/CSW	10B269		
180173	52-49011	10B490	52-49011/CSW	10B499		
180174	52-49021	10B490	52-49021/CSW	10B498		
180120	52-49013	10B490	52-49013/CSW	10B554		
180312	52-26011	10B260	52-26011/CSW	LP 10L201	QA REF 6	
180303	52-49014	10B490	52-49014/CSW	10L401		

COMMON TO UNITS 1 & 2	SCHEME	CIRCUIT BREAKER	UNIT SUBSTA	CONTROL SWITCH	CONNECTED LOAD	S/U
080142	52-17022	00B170	52-17022/CSW	MCC 00B473	ONH	
080143	52-17024	00B170	52-17024/CSW	00B472		
080144	52-17034	00B170	52-17034/CSW	00B371		
080145	52-17021	00B170	52-17021/CSW	00B176		
080147	52-17041	00B170	52-17041/CSW	LP 00L301	QA REF 6	
080147	52-18022	00B180	52-18022/CSW	MCC 00B473	ONH	
080148	52-18024	00B180	52-18024/CSW	00B482		
080149	52-18034	00B180	52-18034/CSW	00B381		
080150	52-18021	00B180	52-18021/CSW	00B186		
080153	52-18041	00B180	52-18041/CSW	LP 00L302	QA REF 6	
080175	52-50022	00B500	52-50022/CSW	PP 00B505	ONH	
080181	52-50041	00B500	52-50041/CSW	00B509		
080177	52-50034	00B500	52-50034/CSW	00B501		
080178	52-59022	00B590	52-59022/CSW	00B595		
080180	52-59034	00B590	52-59034/CSW	00B597		

UNIT-1 ONLY S/U-NH	SCHEME	CIRCUIT BREAKER	UNIT SUBSTA	CONTROL SWITCH	CONNECTED LOAD	S/U
180175	52-50024	00B590	52-50024/CSW	MCC 10B503		
180153	52-50023	00B590	52-50023/CSW	MCC 10B502		

UNIT-2 ONLY S/U-NH	SCHEME	CIRCUIT BREAKER	UNIT SUBSTA	CONTROL SWITCH	CONNECTED LOAD	S/U
280179	52-59024	00B590	52-59024/CSW	MCC 20B593		
280153	52-59023	00B590	52-59023/CSW	MCC 20B592		



CONTACTS (HANDLE END)	POSITION			
	CLOSE	CLOSE	TRIP	TRIP
10B110	X			
10B112		X		
10B113			X	
10B114				X

CONTROL SWITCH 52-11013 CSW
G.E. TYPE SPM SPRING RETURN TO NORMAL

DESCRIPTION

- 52/4 52/5 NO, NC, AUX. CONTACTS. THEY ARE NOT CONNECTED WHEN BRKR IS WITHDRAWN.
- THIS DWG. APPLIES TO BOTH UNITS 1 & 2. FOR UNIT 2, CHANGE PREFIX FROM 1 TO 2 ON ALL UNIT 1 SCHEMES, DEVICES AND LOCATION NOS.

NOTES:

- THE OVERCURRENT & GROUND FAULT TRIP DEVICE IS A SOLID STATE UNIT HAVING LONG TIME DELAY, SHORT TIME DELAY & GROUND FAULT SETTINGS.
- Q-LISTED CLASS 1E EQUIPMENT IS IDENTIFIED BY THE FOLLOWING BOUNDARY
- ALARM SIGNALS WILL BE GROUPED TOGETHER INTO ONE ALARM INPUT FOR EACH UNIT SUBSTATION SEE REF. 5

REFERENCE DRAWING:

- ELECT. SCHEMATIC DIAG. DWG. 10B55-E-0097-0 (Q)
- CABLE BLOCK DIAG. DWG. 10B55-E-4097-0 (Q)
- LOGIC DIAG. STANDARD SYN BOLS DWG. 10B55-J-00-0
- ELECT. SINGLE LINEAR DIAG. DWG. E-0013-0, E-0015-0, E-0017-0, E-0019-0, E-0021-0, E-0023-0, E-0025-0
- LOGIC DIAG. UNIT SUBSTA ALARMS DWG. E-3134-0 (Q)
- LIGHTING DISTRIBUTION SINGLE LINE DIAG. DWG. 10B55-E-1421-0

PRO
APERTURE
CARD

NO.	DATE	REV.	BY	CHKD.	DESIGN	ENGR.	APPR.
1	10/1/81	REVISED AS NOTED					
2	11/1/81	ADDED DIFFERENCE TABLE AS NOTED					
3	11/1/81	REVISED DESCRIPTION ON AUXILIARY CONTACTS					
4	11/1/81	ISSUED FOR CONSTRUCTION					
SCALE NONE							
DESIGNED P.O.B. DRAWN E.M.G.							
BECHTEL SAN FRANCISCO							
PUBLIC SERVICE ELECTRIC AND GAS COMPANY HCPE CREEK GENERATING STATION NOS. 1 & 2 UNITS							
LOGIC DIAGRAM UNIT SUBSTATION - 480 V SYSTEM MCC E PANEL FEEDER CKT BRKR.							
JOB No.		DRAWING No.		REV.			
10B55		E-3132-0		3 Q			

22 x 34 10" SIZE

RIDS

8308090314

