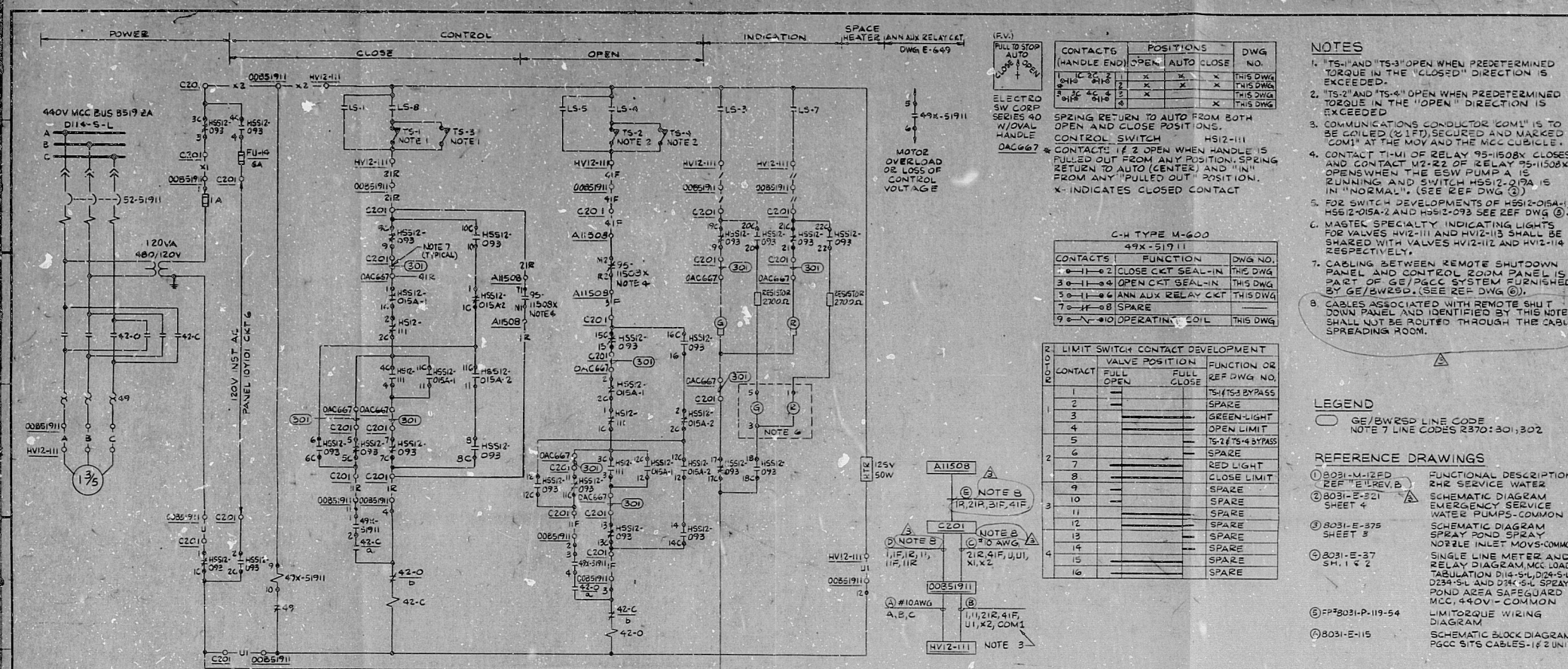




EQUIPMENT	EQUIP NO.	HP	SCHEME NO.	ID NO.	SAFEGUARD SEPARATION CH. ANEL.	START-UP SYSTEM NO.	MCC NO.		CIRCUIT BREAKER NO.	STARTER NO.	CONTROL SWITCH	SELECTOR SWITCHES NOTE 5	CONTROL SELECTOR SWITCH NOTE 5	ALTERNATE CONT. FWR 120V NST AC		ESW PUMP START INTR. Ckt FUSE NO. 4	AUX. RELAY	LOCATIONS	GE LINE CODES		
							BECHTEL	PE						PANEL	CKT						
RHRSW/ESW LOOP A TO UNIT 1 COOLING TOWER SHUTOFF MOV	HV12-111	1 3/5	1A-351911	M-12	2A	16A	B519	D14-5-L	52-51911	42-51911	H512-111	H512-05A-1	H512-05A-2	H512-093	0Y101	G	FJ-15	95-11508X	49X-51911	1A1508 C201 00851911 HV12-111	301
RHRSW/ESW LOOP A TO UNIT 1 COOLING TOWER SHUTOFF MOV	HV12-113	1 3/5	1C-352111	M-12	2C	16A	B521	D24-5-L	52-52111	42-52111	H512-113	H512-05C-1	H512-05C-2	H512-094	0Y103	G	FJ-15	95-11708X	49X-52111	2A11708 C201 00852111 HV12-113	302

CONTACTS	POSITIONS	DWG NO.
(HANDLE END) OPEN AUTO CLOSE NO.		
1 1C 301 2	X X X	THIS DWG
2 1C 301 3	X X X	THIS DWG
3 1C 301 4	X X X	THIS DWG
4 1C 301 5	X X X	THIS DWG
5 1C 301 6	X X X	THIS DWG
6 1C 301 7	X X X	THIS DWG
7 1C 301 8	X X X	THIS DWG
8 1C 301 9	X X X	THIS DWG
9 1C 301 10	X X X	THIS DWG

CONTACTS	FUNCTION	DWG NO.
1 1C 301 2	CLOSE Ckt SEAL-IN THIS DWG	
2 1C 301 3	OPEN Ckt SEAL-IN THIS DWG	
3 1C 301 4	ANNEX RELAY Ckt THIS DWG	
4 1C 301 5	SPARE	
5 1C 301 6	SPARE	
6 1C 301 7	SPARE	
7 1C 301 8	SPARE	
8 1C 301 9	SPARE	
9 1C 301 10	SPARE	

2 LIMIT SWITCH CONTACT DEVELOPMENT	CONTACT	VALVE POSITION	FUNCTION OR REF DWG NO.
1	1C 301 2	OPEN	TS-153 BYPASS
2	1C 301 3	CLOSE	SPARE
3	1C 301 4	OPEN	GREEN LIGHT
4	1C 301 5	CLOSE	OPEN LIMIT
5	1C 301 6	OPEN	TS-153 BYPASS
6	1C 301 7	CLOSE	SPARE
7	1C 301 8	OPEN	RED LIGHT
8	1C 301 9	CLOSE	CLOSE LIMIT
9	1C 301 10	OPEN	SPARE
10	1C 301 11	CLOSE	SPARE
11	1C 301 12	OPEN	SPARE
12	1C 301 13	CLOSE	SPARE
13	1C 301 14	OPEN	SPARE
14	1C 301 15	CLOSE	SPARE
15	1C 301 16	OPEN	SPARE

- NOTES
1. TS-1 and TS-3 OPEN WHEN PREDETERMINED TORQUE IN THE "CLOSED" DIRECTION IS EXCEEDED.
 2. TS-2 and TS-4 OPEN WHEN PREDETERMINED TORQUE IN THE "OPEN" DIRECTION IS EXCEEDED.
 3. COMMUNICATIONS CONDUCTOR (COM) IS TO BE COILED (2 FT) SECURED AND MARKED "COM" AT THE MOV AND THE MCC CUBICLE.
 4. CONTACT TS-1 OF RELAY TS-1508X CLOSING AND CONTACT TS-2 OF RELAY TS-1508X OPENING WHEN THE ESW PUMP A IS RUNNING AND SWITCH H512-073A IS IN "NORMAL". (SEE REF DWG 2).
 5. FOR SWITCH DEVELOPMENTS OF H512-015A-1, H512-015A-2 AND H512-073 SEE REF DWG 2.
 6. MASTER SPECIALTY INDICATING LIGHTS FOR VALVES HV12-111 AND HV12-113 SHALL BE SHARED WITH VALVES HV12-112 AND HV12-114 RESPECTIVELY.
 7. CABLING BETWEEN REMOTE SHUTDOWN PANEL AND CONTROL ROOM PANEL IS PART OF GE/RCC SYSTEM FURNISHED BY GE/RW250. (SEE REF DWG 2).
 8. CABLES ASSOCIATED WITH REMOTE SHUT DOWN PANEL AND IDENTIFIED BY THIS NOTE SHALL NOT BE ROUTED THROUGH THE CABLE SPREADING ROOM.

- LEGEND
- GE/RW250 LINE CODE
NOTE 7 LINE CODES 2370-301, 302
- REFERENCE DRAWINGS
1. 8031-M-1222 FUNCTIONAL DESCRIPTION OF THE SERVICE WATER
 2. 8031-E-321 REF "E" REV. B SCHEMATIC DIAGRAM EMERGENCY SERVICE WATER PUMPS-COMMON SHEET 4
 3. 8031-E-375 SCHEMATIC DIAGRAM SPRAY POND SPRAY NOZZLE INLET MOV-COMMON SHEET 3
 4. 8031-E-37 SH, 1 & 2 SINGLE LINE METER AND RELAY DIAGRAM, MCC LOAD REGULATION DIS-54, D234-SL AND D1K-SL SPRAY POND AREA SAFEGUARD MCC, 440V-COMMON
 5. 8031-P-119-54 LIMIT TORQUE WIRING DIAGRAM
 6. 8031-E-115 SCHEMATIC BLOCK DIAGRAM PGCC BITS CABLES-1 & 2 UNITS

REVISION	DATE	BY	CHKD	APP'D
1	11/12/81	J. H. H.	J. H. H.	J. H. H.
2	11/12/81	J. H. H.	J. H. H.	J. H. H.
3	11/12/81	J. H. H.	J. H. H.	J. H. H.
4	11/12/81	J. H. H.	J. H. H.	J. H. H.
5	11/12/81	J. H. H.	J. H. H.	J. H. H.
6	11/12/81	J. H. H.	J. H. H.	J. H. H.
7	11/12/81	J. H. H.	J. H. H.	J. H. H.
8	11/12/81	J. H. H.	J. H. H.	J. H. H.
9	11/12/81	J. H. H.	J. H. H.	J. H. H.
10	11/12/81	J. H. H.	J. H. H.	J. H. H.

BECHTEL
115150
LIMERICK GENERATING STATION UNITS 1 & 2
PHILADELPHIA ELECTRIC COMPANY

SHEET LATEST
NO. REV.
DNG REV.
STATUS

8031
E-373
1 OF 2

RIDS

8110080222

