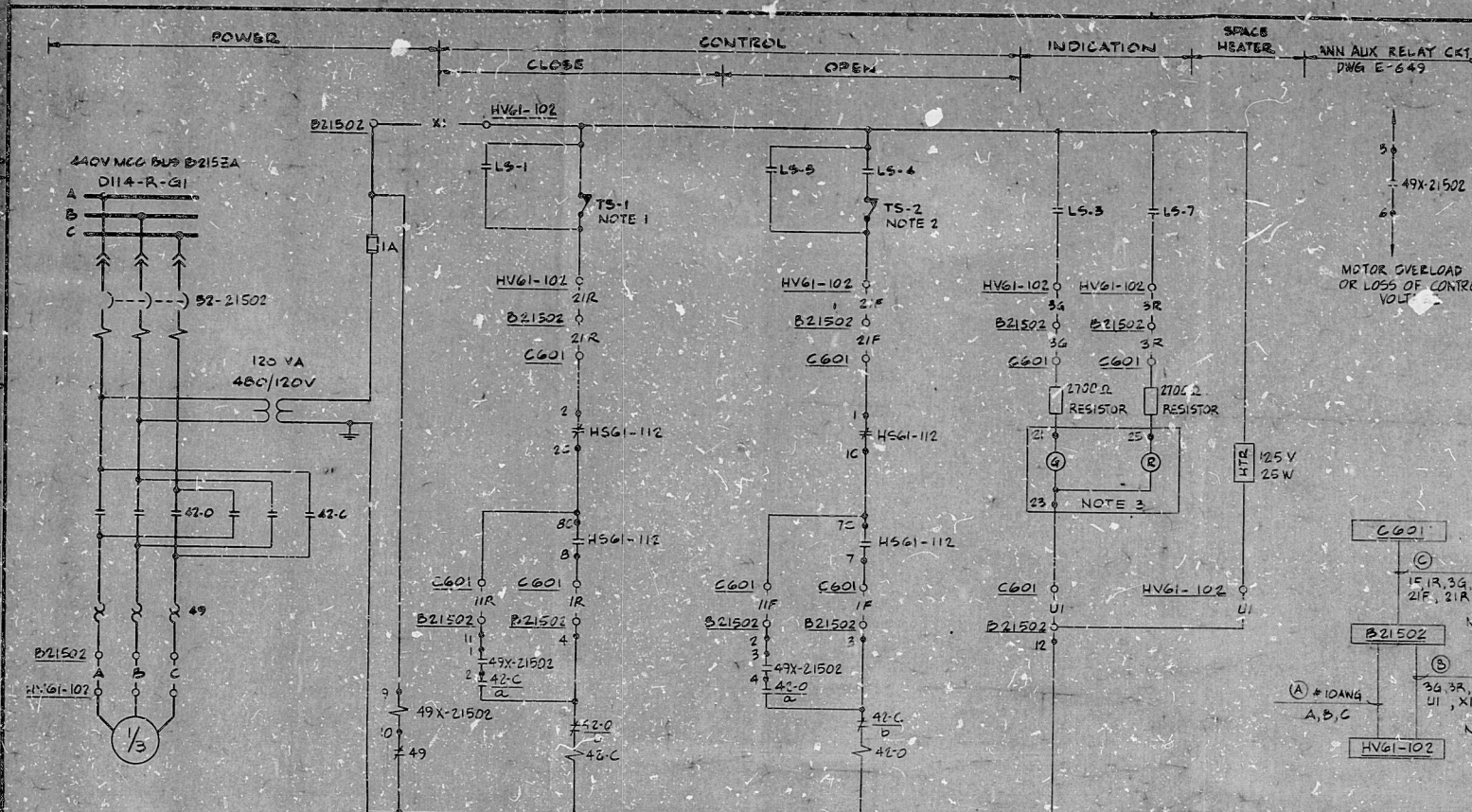
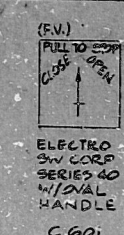




DRYWELL FLOOR & EQUIPMENT DRAIN SUMPS COMMON
INSTRUMENT LINE SHUTOFF MOV
SCHEME NO. IAB21502
(TYPICAL FOR 1 & 2 UNITS)



CONTACTS	POSITIONS		DWG NO.
	OPEN	NORMAL CLOSE	
1-11	X	X	THIS DWG
1-12	X	X	THIS DWG
1-13	X	X	THIS DWG
1-14	X	X	THIS DWG
1-15	X	X	THIS DWG
1-16	X	X	THIS DWG
1-17	X	X	THIS DWG
1-18	X	X	THIS DWG
1-19	X	X	THIS DWG
1-20	X	X	THIS DWG
1-21	X	X	THIS DWG
1-22	X	X	THIS DWG
1-23	X	X	THIS DWG
1-24	X	X	THIS DWG
1-25	X	X	THIS DWG
1-26	X	X	THIS DWG
1-27	X	X	THIS DWG
1-28	X	X	THIS DWG
1-29	X	X	THIS DWG
1-30	X	X	THIS DWG
1-31	X	X	THIS DWG
1-32	X	X	THIS DWG
1-33	X	X	THIS DWG
1-34	X	X	THIS DWG
1-35	X	X	THIS DWG
1-36	X	X	THIS DWG
1-37	X	X	THIS DWG
1-38	X	X	THIS DWG
1-39	X	X	THIS DWG
1-40	X	X	THIS DWG
1-41	X	X	THIS DWG
1-42	X	X	THIS DWG
1-43	X	X	THIS DWG
1-44	X	X	THIS DWG
1-45	X	X	THIS DWG
1-46	X	X	THIS DWG
1-47	X	X	THIS DWG
1-48	X	X	THIS DWG
1-49	X	X	THIS DWG
1-50	X	X	THIS DWG
1-51	X	X	THIS DWG
1-52	X	X	THIS DWG
1-53	X	X	THIS DWG
1-54	X	X	THIS DWG
1-55	X	X	THIS DWG
1-56	X	X	THIS DWG
1-57	X	X	THIS DWG
1-58	X	X	THIS DWG
1-59	X	X	THIS DWG
1-60	X	X	THIS DWG
1-61	X	X	THIS DWG
1-62	X	X	THIS DWG
1-63	X	X	THIS DWG
1-64	X	X	THIS DWG
1-65	X	X	THIS DWG
1-66	X	X	THIS DWG
1-67	X	X	THIS DWG
1-68	X	X	THIS DWG
1-69	X	X	THIS DWG
1-70	X	X	THIS DWG
1-71	X	X	THIS DWG
1-72	X	X	THIS DWG
1-73	X	X	THIS DWG
1-74	X	X	THIS DWG
1-75	X	X	THIS DWG
1-76	X	X	THIS DWG
1-77	X	X	THIS DWG
1-78	X	X	THIS DWG
1-79	X	X	THIS DWG
1-80	X	X	THIS DWG
1-81	X	X	THIS DWG
1-82	X	X	THIS DWG
1-83	X	X	THIS DWG
1-84	X	X	THIS DWG
1-85	X	X	THIS DWG
1-86	X	X	THIS DWG
1-87	X	X	THIS DWG
1-88	X	X	THIS DWG
1-89	X	X	THIS DWG
1-90	X	X	THIS DWG
1-91	X	X	THIS DWG
1-92	X	X	THIS DWG
1-93	X	X	THIS DWG
1-94	X	X	THIS DWG
1-95	X	X	THIS DWG
1-96	X	X	THIS DWG
1-97	X	X	THIS DWG
1-98	X	X	THIS DWG
1-99	X	X	THIS DWG
1-100	X	X	THIS DWG

CONTROL SWITCH HSG-112
CONTACTS 1 THRU 6 OPEN WHEN HANDLE IS PULLED OUT FROM ANY POSITION. SPRING RETURN TO NORMAL (CENTER) FROM ANY "PULLED OUT" POSITION.
X - INDICATES CLOSED CONTACT.

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

NOTES

1. "TS-1" OPENS WHEN PREDETERMINED TORQUE IN THE "CLOSED" DIRECTION IS EXCEEDED.
2. "TS-2" OPENS WHEN PREDETERMINED TORQUE IN THE "OPEN" DIRECTION IS EXCEEDED.
3. COMBINE INDICATING LIGHTS FOR VALVES HV61-112 & 132 ON THE SAME MASTER SPECIALTY LIGHT. LIGHT TERM NOS FOR HV61-112 ARE 1, 3 & 5. IN PLACE OF 1, 23 & 25. COMBINE INDICATING LIGHTS FOR VALVES HV55-120 & HV55-121 ON THE SAME MASTER SPECIALTY LIGHT. LIGHT TERM NOS FOR HV55-120 ARE 21, 23, & 25. AND FOR HV55-121 ARE 1, 3 & 5.
4. COMMUNICATIONS CONDUCTOR "COMM" IS TO BE COILED (±1 FT), SECURED & MARKED "COMM" AT THE MCC & TERMINATED & MARKED "COMM" AT THE CONTROL ROOM PANEL.
5. COMMUNICATIONS CONDUCTOR "COMM" IS FOR SCHEME 18021601 ONLY. CONDUCTOR IS TO BE COILED (±1 FT), SECURED & MARKED "COMM" AT THE MCC & TERMINATED & MARKED "COMM" AT THE CONTROL ROOM PANEL.

REFERENCE DRAWINGS

1. 8031-M-61FD FUNCTIONAL DESCRIPTION REF "C" REV. 1 LIQUID WASTEWATER COLLECTION
2. 8031-E-3E SINGLE LINE METER & RELAY DIAGRAM, MCC LOAD TABULATION D114-R-G1 & D134-R-G1 REACTOR AREA SAFEGUARD MCC-440V-1 UNIT
3. 8031-E-27 SINGLE LINE METER & RELAY DIAGRAM, MCC LOAD TABULATION D114-R-G1 & D134-R-G1 REACTOR AREA SAFEGUARD MCC-440V-2 UNIT
4. FP 8031-P-114A-53 LIMITORQUE WIRING DIAGRAM
5. 8031-M-55CD FUNCTIONAL DESCRIPTION WPCI SYSTEM
6. FP 8031-P-114A-53 LIMITORQUE WIRING DIAGRAM

STARTER AUX CONTACT	DWG NO.
42-0/2	SPARE
50-11-06	SPARE
42-0/2	
70-11-08	
42-0/2	
90-11-10	

EQUIPMENT	EQUIP NO.	UP	SCHEME NO.	Q. NO.	SAFEGUARD SEPARATION CHANNEL	MCC NO.		STARTER NO.	CONTROL SWITCH AND CONTACT NOS.	AUX RELAY	LOCATIONS
						BECHTEL	F. E.				
DRYWELL FLOOR & EQUIP DRAIN SUMPS COMMON INSTRUMENT LINE SHUTOFF MOV	HV61-132	33	IAB21502	M-G1	ZA	B215	D114-R-G1	52-21502	42-21502	HSG-112 1-1C 2-2C 7-7C 8-3C 49X-21502	C601 B21502 HV61-102
DRYWELL FLOOR DRAIN SUMP LEVEL INSTRUMENT LINE SHUTOFF MOV	HV61-112	33	IAB21506	M-G1	ZA	B215	D114-R-G1	52-21506	42-21506	HSG-112 3-3C 4-4C 9-9C 10-10C 49X-21506	C601 B21506 HV61-112
DRYWELL EQUIPMENT DRAIN SUMP LEVEL INSTRUMENT LINE SHUTOFF MOV	HV61-132	33	IAB21505	M-G1	ZA	B215	D114-R-G1	52-21505	42-21505	HSG-112 5-5C 6-6C 11-11C 12-12C 49X-21505	C601 B21505 HV61-132
SUPPRESSION POOL LEVEL INSTRUMENT LINE SHUTOFF MOV	HV55-120	33	IBB21601	M-55	ZB	B216	D124-R-G1	52-21601	42-21601	HSG-112 1-1C 2-2C 5-5C 6-6C 49X-21601	C601 B21601 HV55-120
SUPPRESSION POOL LEVEL INSTRUMENT LINE SHUTOFF MOV	HV55-121	33	IBB21602	M-55	ZB	B216	D124-R-G1	52-21602	42-21602	HSG-112 3-3C 4-4C 7-7C 8-3C 49X-21602	C601 B21602 HV55-121
SUPPRESSION POOL LEVEL INSTRUMENT LINE SHUTOFF MOV	HV52-139	33	IBB21618	M-52	ZB	B216	D121-R-G1	52-21618	42-21618	HSG-112 5-5C 10-10C 9-9C 12-12C 49X-21618	C601 B21618 HV52-139

CONTACTS	FUNCTION	DWG NO.
1-11-02	CLOSE CKT SEAL-IN	THIS DWG
5-11-04	OPEN CKT SEAL-IN	THIS DWG
5-11-06	ANN AUX RELAY CKT	THIS DWG
70-11-08	SPARE	
90-11-10	OPERATING COIL	THIS DWG

PRC
APERTURE
CARD
POOR ORIGINAL

BECHTEL
SAN FRANCISCO
LIMENCK GENERATING STATION UNITS 1 & 2
SCHEMATIC DIAGRAM
DRYWELL & SUPPRESSION POOL INSTRUMENT LINE SHUTOFF VALVES - 1 & 2 UNITS
8031 E-354 SH-29 3 4

Rids

8301120376

