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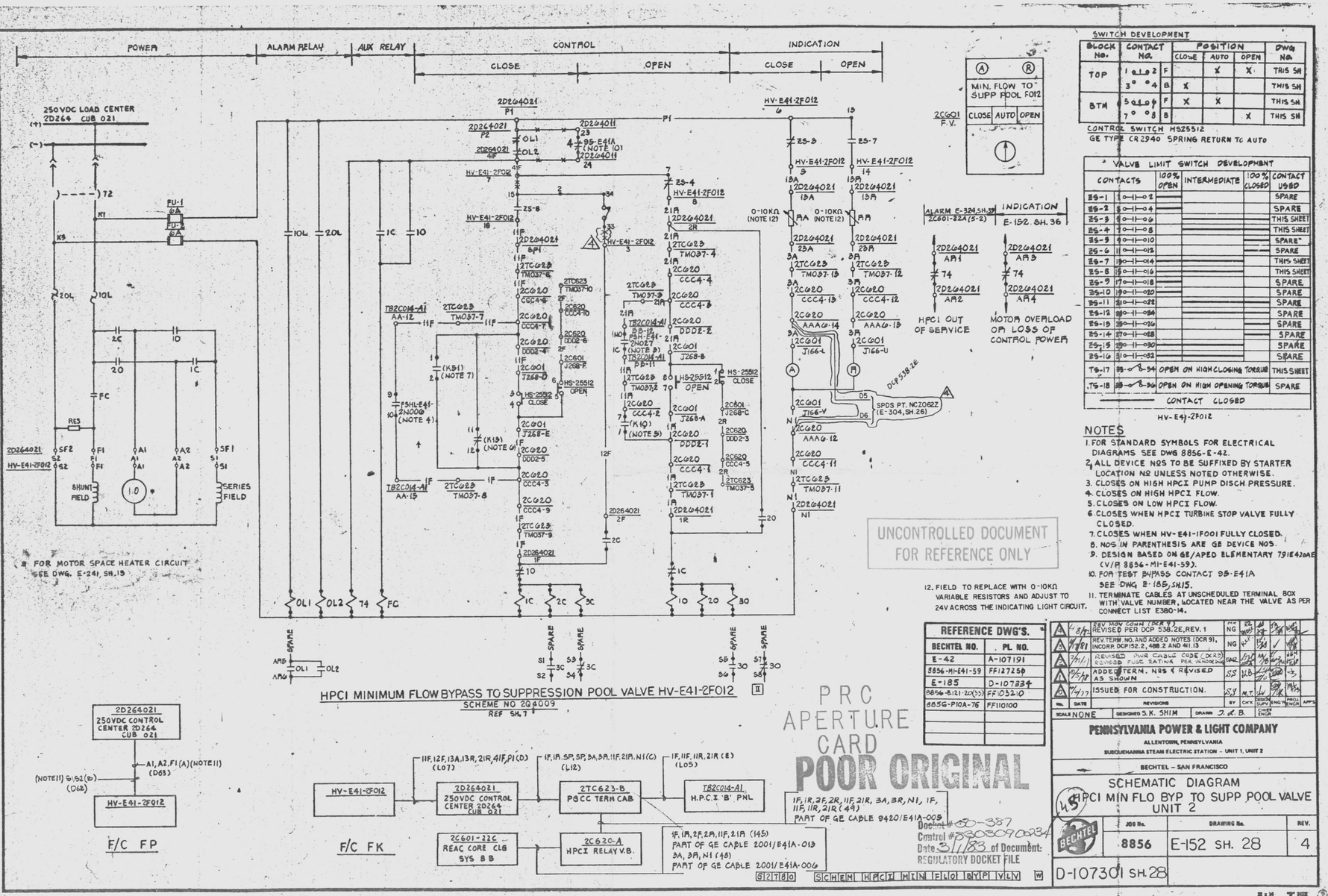

SWITCH DEVELOPMENT

BLOCK NO.	CONTACT NO.		POSITION CLOSE	AUTO	OPEN	DWG NO.
TOP	1 & 2	F		X	X	THIS SH
	3 & 4	B	X			THIS SH
BTM	5 & 6	F	X	X		THIS SH
	7 & 8	B			X	THIS SH

CONTROL SWITCH HS25512
GE TYPE CR2940 SPRING RETURN TO AUTO

VALVE LIMIT SWITCH DEVELOPMENT

CONTACTS	100% OPEN	INTERMEDIATE	100% CLOSED	CONTACT USED
ZS-1	1 o—11—o 2			SPARE
ZS-2	3 o—11—o 4			SPARE
ZS-3	5 o—11—o 6			THIS SHEET
ZS-4	7 o—11—o 8			THIS SHEET
ZS-5	9 o—11—o 10			SPARE*
ZS-6	11 o—11—o 12			SPARE
ZS-7	13 o—11—o 14			THIS SHEET
ZS-8	15 o—11—o 16			THIS SHEET
ZS-9	17 o—11—o 18			SPARE
ZS-10	19 o—11—o 20			SPARE
ZS-11	21 o—11—o 22			SPARE
ZS-12	23 o—11—o 24			SPARE
ZS-13	25 o—11—o 26			SPARE
ZS-14	27 o—11—o 28			SPARE
ZS-15	29 o—11—o 30			SPARE
ZS-16	31 o—11—o 32			SPARE
TS-17	33 o—o 34	OPEN ON HIGH CLOSING TORQUE		THIS SHEET
TS-18	35 o—o 36	OPEN ON HIGH OPENING TORQUE		SPARE

——— CONTACT CLOSED

HV-E41-2F012

NOTES

1. FOR STANDARD SYMBOLS FOR ELECTRICAL DIAGRAMS SEE DWG 8856-E-42.
2. ALL DEVICE NOS TO BE SUFFIXED BY STARTER LOCATION NO UNLESS NOTED OTHERWISE.
3. CLOSES ON HIGH HPCI PUMP DISCH PRESSURE.
4. CLOSES ON HIGH HPCI FLOW.
5. CLOSES ON LOW HPCI FLOW.
6. CLOSES WHEN HPCI TURBINE STOP VALVE FULLY CLOSED.
7. CLOSES WHEN HV-E41-1F001 FULLY CLOSED.
8. NOS IN PARENTHESIS ARE GE DEVICE NOS.
9. DESIGN BASED ON GE/APED ELEMENTARY 791E420AE (V/P 8856-MI-E41-59).
10. FOR TEST BYPASS CONTACT 95-E41A SEE DWG. E-185, SH.15.
11. TERMINATE CABLES AT UNSCHEDULED TERMINAL BOX WITH VALVE NUMBER, LOCATED NEAR THE VALVE AS PER CONNECT LIST E380-14.
12. FIELD TO REPLACE WITH 0-10KΩ VARIABLE RESISTORS AND ADJUST TO 24V ACROSS THE INDICATING LIGHT CIRCUIT.

REFERENCE DWG'S.

BECHTEL NO.	PL NO.
E-42	A-107191
8856-MI-E41-59	FF127250
E-185	D-107234
8856-E121-20(3)	FF103210
8856-P10A-76	FF110100

NO.	DATE	REVISIONS	BY	CHK	DESIGN SUPV ENG	PROJ ENGR	APP'S
4	3/82	REV MOV CONN (DCR 9) REVISED PER DCP 538.2E, REV. 1	NG				
3	7/81	REVTERM NO. AND ADDED NOTES (DCR 9), INCORP. DCP 152.2, 488.2 AND 411.13	NG				
2	7/11/1	REVISED PWR CABLE CODE (DCR 3) REVISED FUSE RATING PER KINDER	FMC				
1	9/12	ADDED TERM. NOS & REVISED AS SHOWN	SS				
0	4/4/12	ISSUED FOR CONSTRUCTION.	SS				

SCALE NONE | DESIGNED S.K. SHIM | DRAWN J.K.B. | CHK'D ENGR

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN, PENNSYLVANIA
SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1, UNIT 2

BECHTEL - SAN FRANCISCO

SCHEMATIC DIAGRAM
HPCI MIN FLO BYP TO SUPP POOL VALVE
UNIT 2

JOB No.	DRAWING No.	REV.
8856	E-152 SH. 28	4

D-107301 SH. 28

Docket # 50-387
Control # 8303090034
Date 3/1/83 of Document:
REGULATORY DOCKET FILE

24X

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Camera Operator