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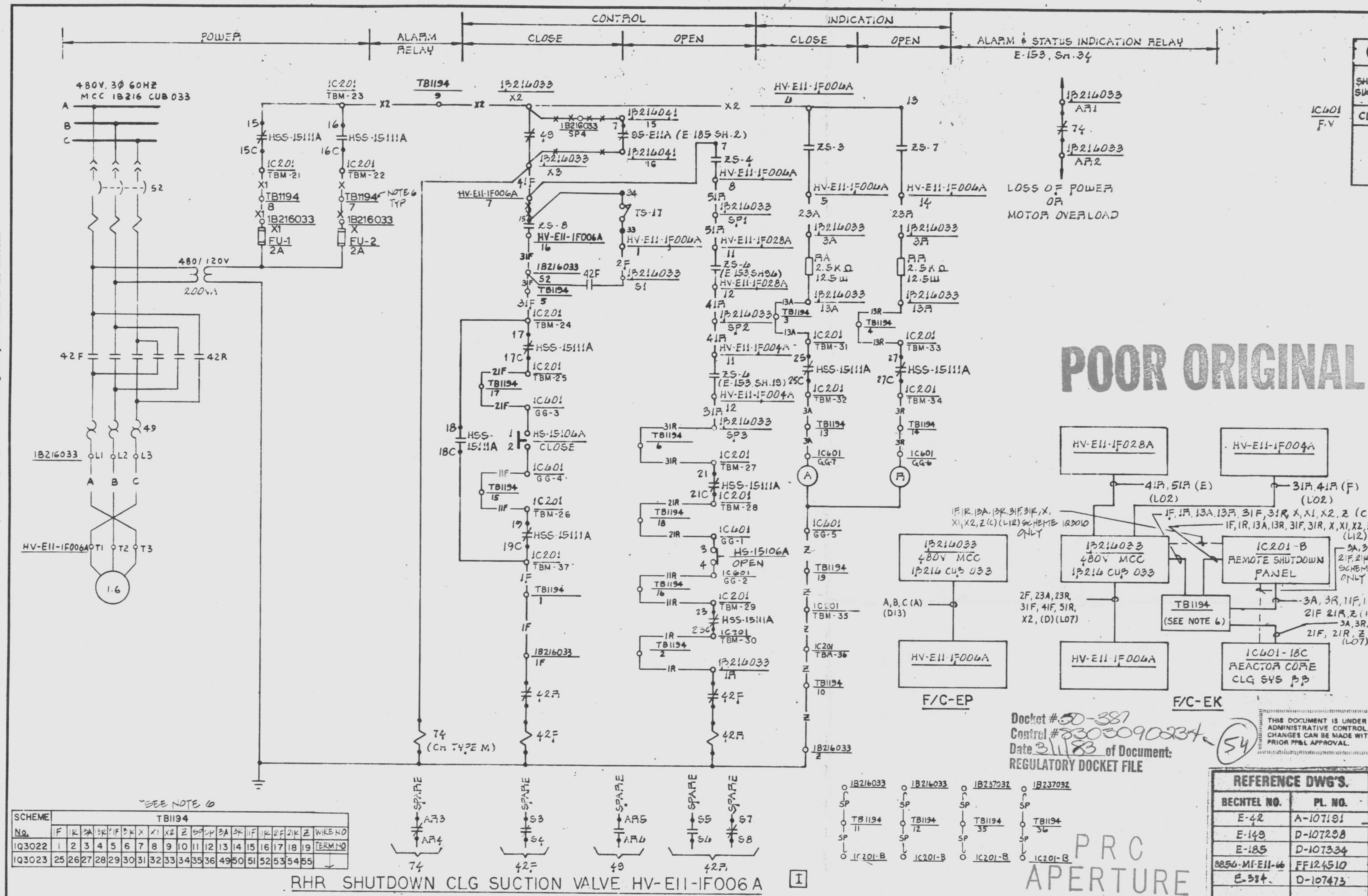

(A)	(R)
SHUTDOWN CLG SUCT VLV F006A	
CLOSE	OPEN

BLOCK No.	CONTACT No.		POSITION CLOSE	POSITION OPEN	DRAWING No.
TOP	1 o o 2	F	X		THIS SH
	3 o—o 4	B		X	THIS SH

CONTROL SWITCH: ~~HS-15106A, HS-15106C,~~ HS-15106D1
GENERAL ELECTRIC TYPE CR2940
~~MAINTAINED CONTACTS~~

VALVE LIMIT SWITCH DEVELOPMENT					
CONTACTS		100% OPEN	INTERMEDIATE	100% CLOSED	CONTACT USED
ZS-1	1o—‖—o2				SPARE
ZS-2	3o—‖—o4				SPARE
ZS-3	5o—‖—o6				THIS SH
ZS-4	7o—‖—o8				THIS SH
ZS-5	9o—‖—o10				SPARE
ZS-6	11o—‖—o12				E-153 SH.19
ZS-7	13o—‖—o14				THIS SH
ZS-8	15o—‖—o16				THIS SH
ZS-9	17o—‖—o18				NOTE 5
ZS-10	19o—‖—o20				SPARE
ZS-11	21o—‖—o22				E-153-33
ZS-12	23o—‖—o24				SPARE
ZS-13	25o—‖—o26				SPARE
ZS-14	27o—‖—o28				SPARE
ZS-15	29o—‖—o30				E-324 SH 11 AND SH 21
ZS-16	31o—‖—o32				SPARE
TS-17	33—o—34	OPEN ON HIGH CLOSING TORQUE			THIS SH
TS-18	35—o—36	OPEN ON HIGH OPENING TORQUE			SPARE
—— CONTACT CLOSED					

HV-E11-1F006A, HV-E11-1F006C, HV-E11-1F006D

NOTES

1. FOR STANDARD SYMBOLS FOR ELECTICAL DIAGRAMS SEE DWG E-42.
2. ALL DEVICE NOS TO BE SUFFIXED BY STARTER LOCATION NO UNLESS NOTED OTHERWISE
3. DESIGN BASED ON GE/APED ELEMENTARY 791E418WJ (V/P 8856-M1-E11-66-16 & 18)
4. FOR CONTACT DEVELOPMENT OF REMOTE SHUTDOWN PANEL (1C201) SWITCH SEE DWG E-149, SH 2.
5. TERMINAL #17 IS USED FOR TERMINATION STATION. SEE WINDOW #9-3 ON DWG E-324, SH. 11.
6. TB1194 IS FOR SCHEMES 1Q3022 & 1Q3023 ONLY.

Docket # 50-387
Control # 8303090234
Date 3/1/83 of Document:
REGULATORY DOCKET FILE
(54)

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POOR ORIGINAL

PRC APERTURE CARD

*SEE NOTE 6

SCHEME No.	TB1194																			
	1F	1R	13A	13R	31F	31R	X	X1	X2	Z	SP	SP	3A	3R	11F	11R	2F	21R	Z	WIRE NO
1Q3022	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	TERM NO
1Q3023	25	26	27	28	29	30	31	32	33	34	35	36	49	50	51	52	53	54	55	↓

RHR SHUTDOWN CLG SUCTION VALVE HV-E11-1F006A

I

SCHEME NO. 1Q3022
REF. SH. 16

DIV NO.	SCHEME NO.	VALVE NO.	VALVE DESCRIPTION	HP	FACILITY CODE	STARTER LOCATION	CONTROL SWITCH NO.	CONTROL SWITCH LOCATION	INTERLOCK NO.	INTERLOCK LOCATION	INTERLOCK NO.	INTERLOCK LOCATION	1C601 21R	11R	21F	11F	Z	3R	3A	WIRE NO / TERM NO
I	1Q3022	HV-E11-1F006A	SHUTDOWN CLG SUCTION VLV	1.6	EP/EK	1B216033	HS-15106A	1C601-18C	ZS-6	HV-E11-1F004A	ZS-6	HV-E11-1F028A	GG-1	GG-2	GG-3	GG-4	GG-5	GG-6	GG-7	
I	1Q3023	HV-E11-1F006C	↓	↓	EP/EK	1B237032	HS-15106C	1C601-18C	ZS-6	HV-E11-1F004C	ZS-14	HV-E11-1F028A	FF-1	FF-2	FF-3	FF-4	FF-5	FF-6	FF-7	
II	1Q3010	HV-E11-1F006D			FP/FK	1B247054	HS-15106D1	1C601-21C	ZS-6	HV-E11-1F004D	ZS-14	HV-E11-1F028B E-153, SH.12	MM-31	MM-32	MM-33	MM-34	MM-35	MM-36	MM-37	↓

1C201-B TERM NO.																	95 RELAY NO./CONTACT	95 RELAY LOCATION/REF DWG.	TRANF. SW	1C201-B CONTACT NO.								
M 21	M 22	M 23	M 24	M 25	M 26	M 27	M 28	M 29	M 30	M 31	M 32	M 33	M 34	M 35	M 36	M 37	95-E11A / 7	1B216041 15, 16 / E-185, SH. 2	HSS-15111A	15-15C	16-16C	17-17C	18-18C	19-19C	21-21C	23-23C	25-25C	27-27C
L 26	L 27	L 28	L 31	L 32	L 30	L 36	L 35	L 34	L 33	L 38	L 37	L 40	L 39	L 41	L 42	L 29	95-E11 / 4	1B237031 17, 18 / E-185, SH. 2	HSS-15111A	29-29C	30-30C	31-31C	32-32C	33-33C	35-35C	37-37C	39-39C	41-41C
A 20	A 21	A 22	X 1	X 2	X 3	X 5	X 6	X 7	X 8	X 9	X 10	X 11	X 12	X 13	X 14	X 4	95-E11 / 4	1B247051 17, 18 / E-185, SH. 3	HSS-15113B	31-31C	32-32C	33-33C	34-34C	35-35C	37-37C	39-39C	41-41C	43-43C

REFERENCE DWG'S.	
BECHTEL NO.	PL. NO.
E-42	A-107191
E-149	D-107298
E-185	D-107334
8856-M1-E11-66	FF124510
E-324	D-107473

UNCONTROLLED DOCUMENT FOR REFERENCE ONLY

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER EDWARD K. KANG 17530-E
7/25/75 Edward K. Kang

No.	DATE	REVISIONS	BY	CH'K	DESIGN SUPV.	ENG'R	PROJ. ENGR.	APP'S
6	8/3/82	REVISED TO INCORP IDCN #4 (DCP 124 REV. 0) RE ISSUED "AS BUILT"	EAR		TC	/	EP	
5	1/19/82	ISSUED "AS BUILT"	TJY			/		
4	4/17/81	REV TO INCOR FCR E-10445	EAR	NPJ	TC	/		
0	7/25/75	ISSUED FOR CONSTRUCTION	BC					

SCALE NONE | DESIGNED B CHOW | DRAWN W.Y. CHAN | CHIEF ENGR.

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

BECHTEL – SAN FRANCISCO

SCHEMATIC DIAGRAM RHR SHUTDOWN CLG SUCT VALVES UNIT 1

JOB No.	DRAWING No.	REV.
8856	E-153 SH.20	6

D-107302 SH20

G1T57 SCHEM SHUTDN CLG SUCT VLVE W

22 x 34 "D" SIZE

D

24 X

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