



- LEGEND:**
- EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
 - WSC TERMINAL (WITH PULL OUT PROVISION)
 - ✓ INTERNAL WIRE MARK
 - △ IC61-POOL REMOTE SHUTDOWN PANEL
 - CLASS 1E - DIVISION 1, THIS SHEET
 - △ IH13-P601 ECCS BENCHBOARD
 - △ IH13-P629 DIV.1 AUX. RELAY PANEL
 - △ IH13-P715B TERMINATION CABINET TMO6-5
 - △ K216A AGASTAT 6PIGM
 - CONTAINMENT PENETRATION
 - ASSOCIATED DIV. 1

- NOTES:**
1. ALL DEVICES WITHOUT LOCATION SHOWN ARE LOCATED IN D.C.C.
 2. ALPHABETICAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE E1A3007A)
 3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., & ELEMENT NO. (EXAMPLE E1A32X1)
 4. DEVICE IDENTIFICATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE IE12-FO42A) EXCEPT AS NOTED (SEE NOTE 5)
 5. VALVE SWITCH IS PULL CLOSED POSITION.
 6. FOR GRAPHIC STANDARDS REFER TO DRAWING D-200-001.
 7. SWITCH DEVELOPMENT FOR REMOTE SHUTDOWN TRANSFER AND CONTROL SWITCHES IC61A-50/IC61A-542 ARE SHOWN ON DRAWING D-200-009.
 8. THE FOLLOWING DEVICES ARE PREFIXED BY: E12A; S10A-SWITCH

REFERENCES

B-21-OFF-3473
GE CO. DWG. 028E 534 CA 5H.12
GE CO. DWG. 028E239 5K.8

TYPE	PULL OPEN	A	B	PULL CLOSED	CONTACT LOCATION
1					SPARE
2					SPARE
3					SPARE
4					SPARE
5					SPARE
6					SPARE
7					SPARE
8					SPARE
9					SPARE
10					SPARE
11					SPARE
12					SPARE
13					SPARE
14					SPARE
15					SPARE

17 CLOSED TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE OF FULLY CLOSED VALVE.

18 OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE OF FULLY OPENED VALVE. (SPARE)

— CLOSED CONTACT
- - - OPEN CONTACT

NOTES 3 AND 4 CAN BE SET AT VALVE POSITION IN FULL OPEN OR FULL CLOSED OR ANY POSITION IN BETWEEN AS INDICATED BY POINTS A AND B.

REF: PHILA. CORP. DWG. 10-577-2700-3 237. A

S10A/IH13-P601		CONTROL SWITCH		
(CAM) CONTACTS	NAME PLATE (FV)	CONTACT	CONTACT	LOCATION
OPERATOR	CLOSE	AUTO	OPEN	
TF1 2	X			19
TR3 4			X	07
BF5 5	X			0721
BR7 8			X	SPARE
OPER/LOCK CRL390-US203A		X-CLOSED CONTACT		
SPRING RETURN TO AUTO				

REMOTE SHUTDOWN

NUCLEAR SAFETY RELATED

THE CLEVELAND ELECTRIC ILLUMINATING CO.

PERRY NUCLEAR POWER PLANT UNIT 1

ELECTRICAL SUBSTATION DIAGRAM

RESIDUAL HEAT REMOVAL SYSTEM

RHR INJECTION MOV FO42A

CONSTRUCTION	TEF
PRELIMINARY	
DATE	RELEASED FOR
GILBERT ASSOCIATES, INC.	
ENGINEERS AND CONSULTANTS	
044549-000	044549-000
044549-000	044549-000

ADDN EXTRA FUSE PER PY-CEI/GAI-392L & REFERENCE	CHANGED CONTACT INFO.	CHANGED FUSE SIZE, ADDED CIRCUIT #	ADDED FITS INFORMATION CHANGED HP & FUSE INFO	ADDED FUSE SIZE & LOCATION OF SECOND SET OF FUSE PER ECN # 9343-84-151	REVISION	DATE	BY	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	90% ORDER	MADE	CHKD	APPROVALS	DATE
E Y2 RA DEC 20 1982	D J L RA DEC 20 1982	C JTS RA DEC 20 1982	B RA DEC 20 1982	F YK RA DEC 20 1982	044549-000	044549-000	TEF	TEF	TEF	044549-000	044549-000	TEF	TEF	TEF	044549-000	044549-000	TEF	TEF	TEF	044549-000

ELEM DIAG AND INJECTION MOV FO42A

RIDS

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