

E-3999-00 SHEET A

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SHEET NO.	REV. NO.	DRAWING TITLE	
1	4	500 KV SWITCHYARD & DIESEL GEN. TRANSDUCERS	Q
2	4	MAIN GEN. & TRANSMISSION LINE FREQUENCY TRANSDUCERS	I
3	8	MAIN GEN. & MISC. TRANSDUCERS	I
4	1	DELETED	I
5	7	MAIN GEN. WATT TRANSDUCER	I
6	5	4.16KV & 7.2KV MOTORS & STARTER TAP CHANGER TRANSDUCERS	I
7	8	4.16KV CLASSIE SYSTEM TRANSDUCERS	Q
8	5	DIESEL GENERATOR TRANSDUCERS	Q
9	8	125V DC AND 250V DC TRANSDUCERS	Q
10	5	120V AC INVERTER SYSTEM TRANSDUCERS	Q
11	2	CIRC. WATER PUMP MOTOR CURRENT TRANSDUCERS	I
12	3	MISCELLANEOUS TRANSDUCERS	I

DEVICE TABLE: TRANSDUCERS				
FUNCTION	SCHEMATIC & CATALOG NO.	OUTPUT	LOAD	POWER REQUIRE.
USED WITH AC INPUT				
POWER FACTOR	90-PT3PAT	3-30 MA	2W	12VAC/120V AC
FREQUENCY	90-FR3PAT			
VAR	90-XLV31K5PAT			
WATT	90-XLV31K5PAT			
CURRENT	90-CT510PAT			
VOLTAGE	90-VT110PAT			
USED WITH DC INPUT				
CURRENT	90-CT71PAT			12VAC/120V AC
VOLTAGE(125V DC SYS.)	90-C271PAT-WK14			
VOLTAGE(240V DC SYS.)	90-C271PAT-WK3			
VOLTAGE(250V DC SYS.)	90-C271PAT-WK26			

* 12MA CENTER SCALE

- NOTES:
1. TEST SWITCHES SHALL BE WESTINGHOUSE TYPE FT FOR TEST SWITCH DETAILS SEE DWS. NO. E-1414-04REF. DWS NO. 43.
 2. UNLESS OTHERWISE INDICATED BY A NOTE ON AN INDIVIDUAL SHEET, ALL ELECTRICAL DEVICES AND CIRCUITS ARE CLASSIFIED AS NON CLASS 1E.
 3. TRANSDUCERS AND ASSOCIATED TEST SWITCHES LOCATED IN PANELS 10025, 10080, 10080, 10080 AND 10080 SHALL BE FURNISHED, INSTALLED AND WIRED BY THE PANEL VENDOR.

REFERENCE DRAWINGS:		
NO.	DWG. NO.	TITLE
1	E-0041-1	SCHEM. MTR. & RLY DIAG. -MAIN GENERATOR
2	E-0042-1	SCHEM. MTR. & RLY DIAG. -MAIN GENERATOR
3	E-0043-1	SCHEM. MTR. & RLY DIAG. -MAIN TRANSFORMER
4	E-1414-0	TEST SW. FUSE & OCT BRKR DETAILS
5	E-0789-0	ELEC. TAB. COMPUTER I/O SUMMARY
6	J-4000-0	DESIGN GUIDE FOR ANALOG LOOP DIAG.
7		
8	J-0680-1	PAL. ADR. 10080, 10080, 10080 & 10080 ELEC. WIR. CABINETS
9	J-0650-1	PAL. ADR. 10080 MAIN VERT. BD. -LEVEL 8
10	J-1050-1	PAL. ADR. 10080 MAIN VERT. BD. -INSTR. MOD.
11	J-0851-1	PAL. ADR. 10080 UNIT OPER. CONSOLE-LEGENDS
12	J-1851-1	PAL. ADR. 10080 UNIT OPER. CONSOLE-INSTR. MOD.
13	E-0040-1	SCHEM. MTR. & RLY DIAG. -SYNCHRONIZING
14		
15	E-9541-0	BLOCK DIAGRAM-MULTIPLEXING

16	16/12	REVISED SHTS. 1-3 & 5-12	TS	16/12	16/12
17	17/12	REVISED AS INDICATED, ADDED SHIT AND PLATED RSP TO UNIT 2	17/12	17/12	17/12
18	18/12	REVISED SHTS 5, 6, 12	18/12	18/12	18/12
19	19/12	REVISED SHTS 3 & 7 THRU 12	19/12	19/12	19/12
20	20/12	REVISED SHEET 1, 2, 3, 5, 6, 7, 8, 9 & 10	20/12	20/12	20/12
21	21/12	REV. SH 12	21/12	21/12	21/12
22	22/12	ISSUED FOR CONSTRUCTION	22/12	22/12	22/12

DATE: 12/1/85
DESIGNED: S. MALIK
CHECKED: [Signature]
BY: [Signature]

BECHTEL
SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
HOPE CREEK GENERATING STATION

ELECTRICAL LOOP DIAGRAM
TRANSDUCERS
INDEX SHEET

NO. 10085	DRAWING NO. E-3999-0	REV. SHEET A	Q
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APERTURE
CARD

PDR RIDS

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