10855 M-57-1

CONTAINMENT ATMOSPHERE ISOLATION OVERRIDE SWITCHES

E.6	HV-4935A	
E.6	HV-5013A	
C.6	HV-4957A	
C.7	HV-4969A	
C.3	HV-4955B	
E.5	HV-5013B	
D.5	HV-4959B	
C.4	HV-4956B	
E.8	HV-4968A	
E.7	HV-4958A	
C.7	HV-4967A	
C.7	HV-5012A	
E.6	HV-4958B	
E.6	HV-4968B	
C.4	HV-4956B	
C.4	HV-5012B	
F.6	HV-4951	
D.7	HV-4964	
D.6	HV-4956	
D.6	HV-4938	
E.8	HV-4950	
E.7	HV-4961	
E.7	HV-4951	
E.7	HV-4963	
E.8	HV-4979	
D.8	HV-4980	
E.8	HV-4978	
E.6	HV-5015	
C.5	HV-4976	

TO CONTAINMENT PREPURGE CLEANUP SYS (F.6)

AUX. BLDG.

FROM LN2 TANK M-71-0 (C.2)

VAPORIZER UNIT

NITROGEN VAPORIZER (ODE 324 FOR DETAILS SEE REF 5)

TO ATMOSPHERE

TO 4" FROM STEAM SUPPLY M-54-0 (A.7)

STEAM TO APUs

N2 TO OUTDOORS

REACTOR BUILDING

COMPRESSED AIR (OIL FREE FOR PRESSURE TESTING) M-60-0 (E.2)

SP-V137

DRW

PRIMARY CONTAINMENT

REACTOR PRESSURE VESSEL

DRYWELL

CONTAINMENT HYDROGEN RECOMBINING TRAIN "B" M-58-1 (A.2)

CONTAINMENT HYDROGEN RECOMBINING TRAIN "A"

FROM CONTAINMENT HYDROGEN RECOMBINATION TRAIN "A" (B.2)

REACTOR BLDG ATMOSPHERE SEE NOTE 7

TO CONTAINMENT HYDROGEN RECOMBINATION TRAIN "B" (A.2)

FROM CONTAINMENT PREPURGE CLEANUP SYSTEM M-74 (C.5)

VACUUM RELIEF VALVE OPEN TO REACTOR BUILDING ATMOSPHERE

TO ATMOSPHERE

PRIMARY CONTAINMENT VACUUM RELIEF VALVE (TYP. OF 8)

TO TORUS/DRYWELL VACUUM BREAKER VALVES

VACUUM BREAKER TEST PANEL

REACTOR BLDG EL 104' (A.1)

REACTOR BLDG EL 124' (A.1)

OUTSIDE

HYDROGEN STORAGE BOTTLES

REACTOR OUTBOARD BLDG.

DRYWELL POST ACCIDENT MONITORING SYSTEM "A"

HYDROGEN/OXYGEN ANALYZER PACKAGE "A" 1AC 200

SEE REFERENCE 5

DRYWELL POST ACCIDENT MONITORING SYSTEM "B"

HYDROGEN/OXYGEN ANALYZER PACKAGE "B" 1BC 200

SEE REFERENCE 5

BOTTLE STATION FOR SAMPLE STATION 1AC 200

BOTTLE STATION FOR SAMPLE STATION 1BC 200

	REFERENCE DRAWINGS:	BECHTEL NO.	G.E. NO.
1	NUCLEAR BOILER FUNCTIONAL CONTROL DIAG.	M-821-0005-0	
2	LOGIC DIAGRAM CONTAINMENT ATMOSPHERE CONTROL	10855-M-52-0	—
3	NITROGEN VAPORIZER — VENDOR P&ID	10855-M-54-0	106
4	LOOP DIAGRAM, CONTAINMENT ATMOSPHERES CONTROL	10855-M-59-0	—
5	VENDOR DRAWING	1388(01-15	—

NOTES:

1. THIS SYSTEM IS A REGULAR CATEGORY I SYSTEM EXCEPT AS NOTED THE SEISMIC CATEGORY I BOUNDARY SHALL EXTEND UP TO THE FIRST ANCHOR POINT BEYOND SEISMIC CATEGORY I BOUNDARY.
2. LOCATE AS NEAR AS POSSIBLE TO PRIMARY CONTAINMENT.
3. ALL TEST CONNECTIONS ARE NON SEISMIC CONSTITUTE OF LAST VALVE ANCHOR POINT.
4. G.E. VENDOR EQUIPMENT APPEARS ON THIS DRAWING.
5. LINE IS TO BE ELECTRICALLY HEAT TRACED TO 350°-370°F. HEAT TRACING EQUIPMENT IS TO BE SUPPLIED BY THE NE/CE ARCHITECT ENGINEER AND WILL BE PREINSTALLED WITH 1E POWER.
6. POSITION, PDT INTAKE IN ROOM WHERE DELTA P IS LOCATED. THIS DEVICE SENSES DIFFERENTIAL PRESSURE BETWEEN THE "DRY" COMPARTMENT AND THE TORUS ITSELF.
7. THIS P&ID CONTAINS SYSTEMS OR PORTIONS OF SYSTEMS:
   GS - CONTAINMENT ATMOSPHERE CONTROL
   GT - DRYWELL VENTILATION
   GA - PLANT HEATING
   KH - PLANT SERVICE GASES
   GP - PRIMARY CONTAINMENT LEAK RATE TESTING
   THE LEADS FOR THE SPARE ELEMENTS OF INDIV DUAL RTDs WILL BE COILED IN THE ANALOG LOGIC CABINET AC 655.
9. ROOT VALVES OR INSTRUMENT VALVES FOR PRESSURE GAGES SHOWN ON THIS P&ID SHALL BE NORMALLY CLOSED FOR ISOLATION PURPOSES AND OPENED TO PROVIDE PRESSURE INDICATION ONLY WHEN REQUIRED BY OPERATOR.

I, ROBERT W HENDERSON III, BEING A REGISTERED PROFESSIONAL ENGINEER, CERTIFY THAT THIS DOCUMENT DEFINES THE REQUIREMENTS PRESCRIBED IN THE SUBPARAGRAPHS NA-3562 (d), (e) OF ASME BOILER AND PRESSURE VESSEL CODE, SECTION III, 1974 EDITION, WITH ADDENDA THROUGH WINTER 1974.

No. 16952

REVISION	BY	CHK	APP
REVISED TO INCORPORATE PCR M-1960, M-1963, M-2027, M-1898, M-2181, M-2178, P-4968, AND P-19392, M-2231 AND DCN 22			
REVISED TO INCORPORATE PCR 25, 26, 29 & DCR M-1597 ADDED P# 28 DELETED NOTE 8			
REVISED TO INCORP. DCN 22 AND PCR M-1312, M-1407			
REVISED TO INCORP PCR M-1501 M-1695 DCN M80, DCN 21 P-26, DCN 22 & REVD TEXT ITEM 3			
REVISED TO INCORPORATE DCN 7(10 & 19) PCR M-652, 655, 656 AND REVISED TEXT ITEM 3			
REVISED PER REVISION LIST INC DCN #10, 11, 13, 14, 15, 16 PCR #9 VOIDED (DWG. DELETED) INCORP. DCN 12			
REVISED PER REVISION LIST INC. DCN-B, REVISED PER COST CONTAINMENT ITEM 32			
REVISED PER REVISION LIST INC DCN #17, PER FSAR 7.5(10) & INCREP DCN #18 SHEET 1 DELETED			
ISSUED FOR UNIT 2 INDENTIFICATION			
INCORPORATE DCN #1, REVD PER REVISION LIST 015 ISSUE			
INCORPORATE DCN #3 THRU 4 AND REVISED PER REVISION LIST			
INCORPORATED DCN #5			
REVISED PER REVISION LIST			
0	ISSUED FOR CONSTRUCTION		

SCALE: NONE | DESIGNED P. COLPO | DRN JK

BECHTEL SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
HOPE CREEK GENERATING STATION

P&ID
CONTAINMENT ATMOSPHERE CONTR

JOB NO. 10855 | DRAWING NO. M-57 | REV. 1

APERTURE CARD

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PDR RIDS

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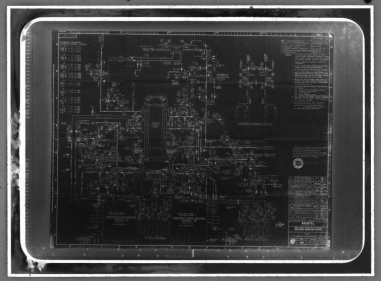

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