CONTINUED

13. CONTRACT 71 FURNISHED INSTRUMENTS ON LOCAL CONTROL PANEL, WITH SUFFIX NUMBER "1" ARE SHOWN FOR FLOW DIAGRAM DEFINITION ONLY AND WILL NOT APPEAR ON THE LOCAL CONTROL PANEL.

NOTES:

1. ALL INSTRUMENTATION ON THIS DRAWING TO BE PREFIXED BY CAC UNLESS SPECIFICALLY NOTED OTHERWISE I.E. (P,T) IS IDENTIFIED AS CAC-PI-1
2. FOR FLOW DIAGRAM LEGEND, SYMBOLS AND ABBREVIATIONS SEE DRAWING M501.
3. MOTOR OPERATED VALVES (A.C.ONLY) ARE WITH SLOW CLOSURE TIME (WITH POSITION INDICATOR IN CONTROL ROOM.)
4. THE UNITS ARE STARTED FROM MAIN CONTROL ROOM: FOR HYDROGEN AND OXYGEN SAMPLING AND RECORDING SYSTEMS SEE DWG. M543.
5. ALARMS INDICATE LIGHTS ON LOCAL PANEL AND REMOTE ANNUNCIATION
6. ALL PIPING, VALVES AND ASSOCIATED COMPONENTS ON THIS DRAWING SHALL BE CLASSIFIED AS FOLLOWS:
   QUALITY CLASS I
   SEISMIC CATEGORY I
   CODE GROUP B EXCEPT WHERE INDICATED AS GROUP C OR D.
7. THESE VALVES WILL BE INCLUDED IN THE "ISOLATION VALVE POSITION DISPLAY PANEL"
8. ALL VALVE TEST CONNECTIONS FOR LINES PENETRATING PRIMARY CONTAINMENT SHALL CONSIST OF ¾" GLOBE VALVES WHICH SHALL BE TAGGED CAC-V-800-(NUMBER AS SHOWN)
9. ⬡ INTERFACE CONNECTION NUMBER PROVIDED BY $H_2$ RECOMBINE SKID SUPPLIER
10. ALL PRESSURE AND FLOW INSTRUMENT ROOT VALVES SHALL BE ¾" GLOBE VALVES UNLESS NOTED OTHERWISE.
11. ALL TAGS FOR INSTRUMENT ROOT VALVES WILL BE FURNISHED & INSTALLED BY OWNER
12. PIPING REFERRING TO THIS NOTE SHALL BE CLASSIFIED AS STATED IN NOTE 6 FOR MATERIAL FABRICATION AND INSTALLATION ONLY. CODE STAMP NOT REQUIRED.

DRYWELL

SUPPRESSION CHAMBER

CONTAINMENT ATMOSPHERE CONTROL SYSTEM

CAC-HR-1A $H_2$ RECOMBINER DIV I

CAC-HR-1B $H_2$ RECOMBINER DIV. II

WATER SEAL LOOP — FURNISHED BY CONTR# 71 FOR INSTALLATION BY CONTR# 215

LEGEND

1. ALL VALVES SUFFIXED WITH A (V) EQUAL A ¾" VENT VALVE.
2. ALL VALVES SUFFIXED WITH A (D) EQUAL A ¾" DRAIN VALVE.

INFORMATION ONLY VOID FSAR FIG NO 32.17

PRC APERTURE CARD

| REV NO | REVISION | DATE | DRWN | CHKD | APPROVED ENGR | APPROVED QUAL | APPROVED PROJ |
|---|---|---|---|---|---|---|---|
| 21 | PER TASK 3040: PED'S 215-D-B145(F-9, F-G-10,E-9,E-11, C-5), C-6) 215-M-B401 (F-14-15, F-1-2) | 4/80/82 | DRJ | 4/30/83 | | 5/3/83 | |

| REV NO | REVISION | DATE | DRWN | CKD. | APPROVED ENGR | APPROVED QUAL | APPROVED PROJ |
|---|---|---|---|---|---|---|---|
| 17 | PER TASK 3040: PED 208-B-0096(E-15, E-1) | 6-1-81 | PRW | | | | |
| 18 | PER TASK 3040: PED 215-B-A325(H-7, H-9, G7, G-9, E-7, E-9, D-7, D-9) | 9/1/81 | REP | | | | |
| 19 | PER TASK 3040: PED 215-M-A478 (C-11) RFI 215-3484 (E-F-15)(E-F-1) | 11-3-81 | DRJ | | | | |
| 20 | PER TASK 3040: PED 220-I-0593 (D-13, D-12) | 2-1982 | L.S. | | | | |

| REV NO | REVISION | DATE | DRWN | CKD. | APPROVED ENGR | APPROVED QUAL | APPROVED PROJ |
|---|---|---|---|---|---|---|---|
| 14 | PER TASK 8300: ADDED PED 215-B-3648 (D/E-2/3, D/E-13, F-4, F-12, G-2, G-14) | 8-1980 | DSº | | | | |
| 15 | PER TASK 8300: ADDED PED'S 220-I-0416 (F-4), 220-I-0415 (G-3, 14), 215-B-3990 (C-5, 11) | 10/1980 | J.F. | | | | |
| 16 | PER TASK 3040: PED 220-I-0520 (G-4, G-12) | 3-281 | PRW | | | | |

| REV NO | REVISION | DATE | DRWN | CHKD | APPROVED ENGR | APPROVED QUAL | APPROVED PROJ |
|---|---|---|---|---|---|---|---|
| 11 CONT. | (F-5, 12, G-2, 14); R215-CM-1233 (F-1, 12 (G-2, 12); R220-CM-0989 (F-2, 4, 12 (G-2, 14, K-3/4) | 9/1/79 | F.N. | W.H. | | 9/1/79 | |
| 12 | PER TASK 8300: ADDED PED 215-M-5154 (C-5, C-11) PED 215-M-B115 (C-5, C-11, C-12) | 8/15/80 | KAD | | | | |
| 13 | PER TASK 8300: ADDED PED-215-B-2267 (D, E, F-2, 3, 4 4 D, E, F-12, 13, 14. | 10/1/80 | P.W.L. | | | 1/14/80 | |

| REV NO | REVISION | DATE | DRWN | CHKD | APPROVED ENGR | APPROVED QUAL | APPROVED PROJ |
|---|---|---|---|---|---|---|---|
| 10 | FOR REV 10 SEE RECORD MAC PER PCN 24071 & PED 215-M-5118 | 9/1/79 | V.K. | R.J.K. | | | |
| 11 | PER RFI 215-3448 & PCN 6278 PER PCN 66514 PED 215-M-5056(C-5,C-11) PER TASK 8300: ADDED PED'S 215-M-1014 (D-4, 12/H, 2); 220-I-0051 (E-4, 12) 220-I-0039 | 10/1/79 2-21-79 | V.K. V.D. KAD | R.J.K. PAL | | | |

| RELEASED FOR | BY | DATE |
|---|---|---|
| STATUS | | |
| PRELIMINARY INFO. | | |
| BIDDING ONLY | | |
| ADDENDUM NO. | | |
| AMENDMENT NO. | | |
| CONSTRUCTION | | |
| APPLY TO SPEC. NO. | | |

BURNS AND ROE, INC.
ENGINEERS AND CONSTRUCTORS
ORADELL, N.J. HEMPSTEAD, N.Y. LOS ANGELES, CALIF.

FLOW DIAGRAM-H & V
CONTAINMENT ATMOSPHERE CONTROL SYSTEM
REACTOR BLDG.

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
HANFORD NO. 2

| ENGINEERING REVIEW | | | | | |
|---|---|---|---|---|---|
| DIVISION | M/A/C | ELECT. | I&C/L | INSTR | |
| ENGR. | | | | | |
| DATE | | | | | |

APPROVED FOR CONSTRUCTION
CHIEF MECHANICAL ENGINEER

SCALE: NONE
DRWN J.C. CHKD. P. Gerhardt
LOG BSS DATE 8-8-74
J. A. Williams (REF) 8/9/74
REVIEWED BY CHIEF DRAFTSMAN

W. O. 2808
DWG. M554 REV 21

CLIENT APPROVAL

REGULATORY DOCKET FILE COPY

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