



- NOTES**
1. FOR ALL INITIATION SIGNALS SEE G.E. NUCLEAR BOILER SYSTEM B22-1040, DOCUMENT NO. 761E445, TABLE II "I"
 2. THIS EQUIPMENT IS NORMALLY CONTROLLED FROM THE MAIN CONTROL ROOM. IF THE MAIN CONTROL ROOM MUST BE VACATED, THIS CONTROL POINT MAY BE ISOLATED AND CONTROL TRANSFERRED TO THE REMOTE SHUTDOWN PANEL C61-P001
 3. (DELETED)
 4. ALL PIPING SYSTEMS IDENTIFIED BY THE PREFIX "PT" SHALL BE SUPPLIED AND INSTALLED BY CONTRACT #220
 5. (DELETED)
 6. (DELETED)
 7. PIPING, VALVES AND ASSOCIATED COMPONENTS ON THIS Dwg SHALL BE CLASSIFIED AS FOLLOWS (BREAK POINTS ARE INDICATED ON THE FLOW DIAGRAM):
 - a. PROCESS FEEDWATER OR STEADY AND INSTRUMENT PIPING WITHIN THE PRIMARY CONTAINMENT AND OUT THROUGH THE OUTER-MOST ISOLATION VALVES, EXCEPT SAFETY/RELIEF VALVE DISCHARGE.
 - b. SEISMIC CATEGORY I QUALITY CLASS I CODE GROUP A
 - c. MAIN STEAM PROCESS PIPING BEYOND THE OUTER-MOST ISOLATION VALVES, EXCEPT BRANCH LINES (DRAIN) BEYOND THE FIRST VALVE AND SAFETY/RELIEF VALVE DISCHARGE AS NOTED.
 - d. SEISMIC CATEGORY I QUALITY CLASS I CODE GROUP B
 - e. FEEDWATER PROCESS PIPING BEYOND THE OUTER-MOST ISOLATION VALVES, STEAM PROCESS PIPING (DRAIN) NOT INCLUDED UNDER NOTE 7a, AND VENT, DRAIN AND LEAK-OFF PIPING BEYOND THE LAST VALVE.
 - f. SEISMIC CATEGORY II QUALITY CLASS II CODE GROUP D
 - g. INSTRUMENT PIPING BEYOND THE OUTER-MOST ISOLATION VALVES, AND INSTRUMENT PIPING CONNECTED TO THE PRIMARY CONTAINMENT. AIR ACCUMULATORS AND ASSOCIATED PIPING OUT THROUGH THE SUPPLY CHECK VALVE, VENT, DRAIN AND LEAK-OFF PIPING 3/4" OR SMALLER OUT THROUGH THE LAST VALVE.
 - h. SEISMIC CATEGORY I QUALITY CLASS I CODE GROUP B
 - i. OTHER AIR PIPING, DOWNCOMERS AND SAFETY/RELIEF VALVE DISCHARGE AS NOTED.
 - j. SEISMIC CATEGORY I QUALITY CLASS I CODE GROUP C
 - k. CODE STAMP NOT REQUIRED FOR DOWNCOMERS
 - l. SEE SECTION 150, CONTRACT 215 LINE 1 1/2" MS(9)-4 LEAVING REACTOR BLD'G
 - m. SEISMIC CATEGORY II QUALITY CLASS II CODE GROUP D
 - n. MSRV QUENCHERS AND DOWNCOMERS AS NOTED SHALL BE CLASSIFIED AS FOLLOWS:
 - SEISMIC CATEGORY I QUALITY CLASS I
 - CODE GROUP: B FOR MATERIAL FABRICATION AND INSTALLATION ONLY, CODE STAMP NOT REQUIRED.
 - o. ALL INSTRUMENT ROOT VALVES NOT LABELED WILL BE 3/4" GLOBE VALVES UNLESS SPECIFICALLY NOTED OTHERWISE.
 - p. EXCESS FLOW CHECK VALVES SHALL BE TAGGED AS FOLLOWS: P1-ETC-X (PENETRATION NO.).
 - q. CONTAINMENT INSTRUMENTATION ROOT VALVES SHALL BE TAGGED AS FOLLOWS: P1-X (PENETRATION NO.).
 - r. THESE INSTRUMENTS ARE LOCATED ON REMOTE SHUTDOWN PANEL.
 - s. ALL INSTRUMENTATION ON THIS DRAWING TO BE IDENTIFIED BY PREFIX "MS" UNLESS OTHERWISE NOTED.
 - t. CONTINUED ON LEFT.

LEGEND

1. ALL VALVES SUFFIXED WITH A) EQUAL A 3/4" VENT VALVE.

2. ALL VALVES SUFFIXED WITH 10, A) EQUAL A 3/4" DRAIN VALVE.

NOTES (CONT'D)

13. ALL INSTRUMENT LINES ARE DESIGNATED BY CODE AND LINE NUMBER.

A. EXAMPLE: LINES ORIGINATING OUTSIDE CONTAINMENT.

1/2" PT(1)-ST - (H22-P021)-A6

CODE DESIGNATION LINE NUMBER

B. EXAMPLE: LINES ORIGINATING INSIDE CONTAINMENT.

1/2" PT(1)-45 - X106

CODE DESIGNATION LINE NUMBER

C. EXAMPLE: CONTINUATION OF THE ABOVE LINE OUTSIDE CONTAINMENT IS DESIGNATED AS FOLLOWS, WITH LINE NUMBERS NOT SHOWN.

1/2" PT(1)-ST - X106 - (H22-P021)-

CODE DESIGNATION LINE NUMBER

14. ASME CODE CASE N-241 MAY BE APPLIED TO 10" AND 12" MS(9)-2 BELOW ELEVATION 466'-3 3/4".

15. CODE BREAK DEFINITIONS FOR THERMOWELLS ARE SHOWN ON M-610 "INSTALLATION OF THERMOWELLS & SAMPLE PROBES".

PRG APERTURE CARD

FSAR FIG. NO. 3.2.2

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

FLOW DIAGRAM
NUCLEAR BOILER-MAIN STEAM SYSTEM
REACTOR BUILDING

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
HANFORD No. 2

ENGINEERING REVIEW	SCALE	DATE	BY
ENGR. MECH. ELECT. INSTR. NUCLEAR	PAL	5-9-72	W.O. 2808
ENGR. HA	HA	5-9-72	W.O. 2808
DATE	5/9/72	5/9/72	W.O. 2808
APPROVED FOR CONSTRUCTION			W.O. 2808
OR CHIEF NUCLEAR ENGINEER			W.O. 2808
OR CHIEF ELECTRICAL ENGINEER			W.O. 2808
OR CHIEF INSTRUMENT ENGINEER			W.O. 2808
OR CHIEF MECHANICAL ENGINEER			W.O. 2808

REV.	NO.	DATE	BY	CHKD.	APPROVED	REVISION	DATE	BY	CHKD.	APPROVED	REVISION	DATE	BY	CHKD.	APPROVED
38						FOR PREVIOUS REVISIONS, SEE PREVIOUS ISSUE. S.U. SYSTEM IS TRANSFERRED TO SUPPLY SYSTEM PER W.O. 4300, MEMO DRR-83-1426.	5/9/72	W.O. 2808							
39						S.U. SYSTEM IS TRANSFERRED TO SUPPLY SYSTEM PER W.O. 4300, MEMO DRR-83-1426.	5/9/72	W.O. 2808							
40						PER TASK 3040: FED 215-M-P759 (G-3-B-9) NO 215-D-X478 (B-12) 215-E-B476 (E-15) 220-1-1-1 (J-14, J-15, J-16).	5/9/72	W.O. 2808							