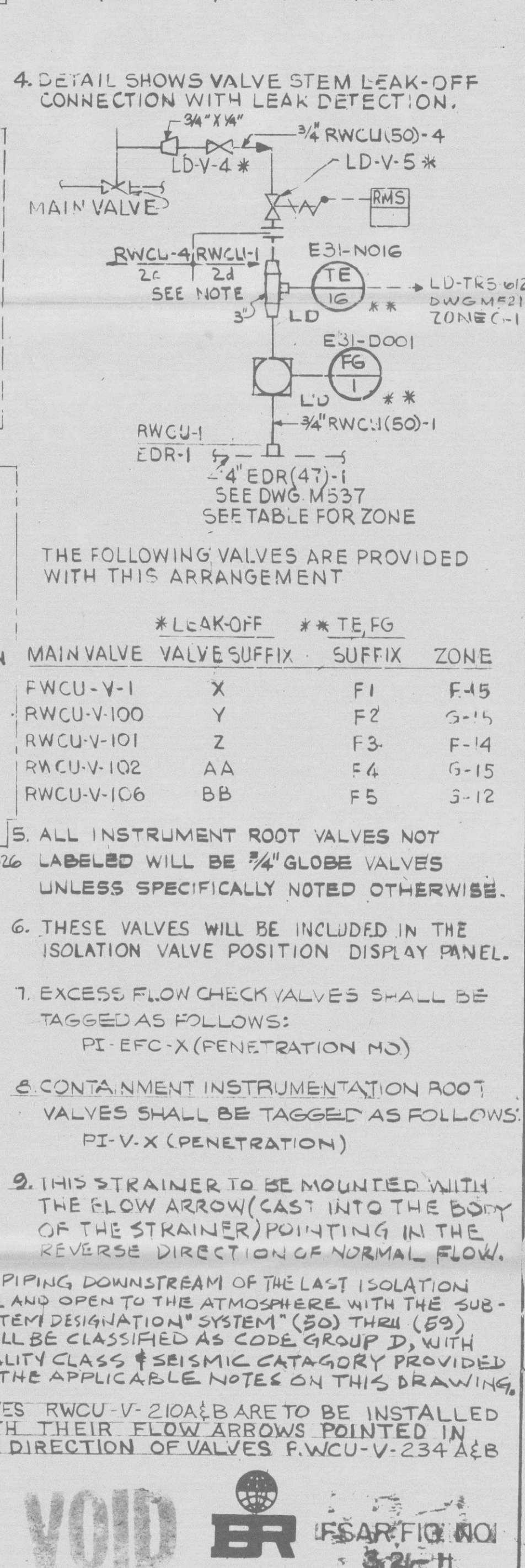


- NOTES:**
1. ALL ITEMS MARKED * ARE FURNISHED WITH ASSOCIATED EQUIPMENT
 2. PIPING AND VALVES AND ASSOCIATED COMPONENTS ON THIS DRAWING SHALL BE CLASSIFIED AS FOLLOWS, EXCEPT AS NOTED IN THE FOLLOWING:
 3. PIPING AND VALVES OUT THROUGH THE OUTERMOST ISOLATION VALVES, EXCEPT INSTRUMENT PIPING, AS NOTED.
 4. PIPING AND VALVES BEYOND OUTERMOST ISOLATION VALVES IN REACTOR BLDG.
 5. INSTRUMENT LINES AND LEAK-OFF PIPING AS NOTED.
 6. INSTRUMENT LINES AND LEAK-OFF PIPING AS NOTED.
 7. ALL PIPING SYSTEMS IDENTIFIED BY THE PREFIX "PI" SHALL BE SUPPLIED AND INSTALLED BY CONTRACT 220.
 8. EXCEPT AS NOTED ON M619 INSTRUMENT CONNECTION DIAGRAMS.
- LEGEND**
1. ALL VALVES SUFFIXED WITH A (V) EQUAL A 3/4" VENT VALVE.
 2. ALL VALVES SUFFIXED WITH A (D) EQUAL A 3/4" DRAIN VALVE.
- THE FOLLOWING VALVES ARE PROVIDED WITH THIS ARRANGEMENT
- | * LEAKOFF | * TE. FG | * F1 | * F4 |
|-----------|----------|------|------|
| RWC-V-101 | X | F1 | F4 |
| RWC-V-102 | Y | F2 | F4 |
| RWC-V-103 | Z | F2 | F4 |
| RWC-V-104 | A | F2 | F4 |
| RWC-V-105 | B | F2 | F4 |
5. ALL INSTRUMENT ROOT VALVES NOT LABELED WILL BE 3/4" GLOBE VALVES UNLESS SPECIFICALLY NOTED OTHERWISE.
6. THESE VALVES WILL BE INCLUDED IN THE ISOLATION VALVE POSITION DISPLAY PANEL.
7. EXCESS FLOW CHECK VALVES SHALL BE TAGGED AS FOLLOWS:
8. CONTINUED INSTRUMENTATION ROOT VALVES SHALL BE TAGGED AS FOLLOWS:
9. THIS STRAINER IS TO BE MOUNTED WITH THE FLOW ARROW (CAST INTO THE BODY OF THE STRAINER) POINTING IN THE REVERSE DIRECTION OF NORMAL FLOW.
10. ALL PIPING DOWNSTREAM OF THE LAST ISOLATION VALVE AND OPEN TO THE ATMOSPHERE WITH THE SUB-SYSTEM DESIGNATION SYSTEM (SD) TAG (L-1) SHALL BE CLASSIFIED AS CODE GROUP D, NH QUALITY CLASS 3. SEISMIC CATEGORY PROVIDED BY THE APPLICABLE CODE NOTE ON THIS DRAWING.
11. VALVES RWC-V-201A AND RWC-V-201B SHALL BE INSTALLED WITH THEIR FLOW ARROWS POINTING IN THE DIRECTION OF FLOW RWC-V-201A AND RWC-V-201B.



VOID

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

FLOW DIAGRAM
REACTOR WATER CLEAN UP SYSTEM
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
HANFORD NO. 2

ENGINEERING REVIEW

REVISION	DATE	BY	CHKD.	APP'D.	REVISION	DATE	BY	CHKD.	APP'D.
1	10/1/78	DRJ	LMH		36	10/1/78	DRJ	LMH	
2	10/1/78	DRJ	LMH		37	10/1/78	DRJ	LMH	
3	10/1/78	DRJ	LMH		38	10/1/78	DRJ	LMH	
4	10/1/78	DRJ	LMH		39	10/1/78	DRJ	LMH	

REVISION

36 PER TASK 3040: PED 215-M-4607 (E-15, F-2, H-10, I-15, J-15, K-15, L-15, M-15, N-15, O-15, P-15, Q-15, R-15, S-15, T-15, U-15, V-15, W-15, X-15, Y-15, Z-15, AA-15, AB-15, AC-15, AD-15, AE-15, AF-15, AG-15, AH-15, AI-15, AJ-15, AK-15, AL-15, AM-15, AN-15, AO-15, AP-15, AQ-15, AR-15, AS-15, AT-15, AU-15, AV-15, AW-15, AX-15, AY-15, AZ-15, BA-15, BB-15, BC-15, BD-15, BE-15, BF-15, BG-15, BH-15, BI-15, BJ-15, BK-15, BL-15, BM-15, BN-15, BO-15, BP-15, BQ-15, BR-15, BS-15, BT-15, BU-15, BV-15, BW-15, BX-15, BY-15, BZ-15, CA-15, CB-15, CC-15, CD-15, CE-15, CF-15, CG-15, CH-15, CI-15, CJ-15, CK-15, CL-15, CM-15, CN-15, CO-15, CP-15, CQ-15, CR-15, CS-15, CT-15, CU-15, CV-15, CW-15, CX-15, CY-15, CZ-15, DA-15, DB-15, DC-15, DD-15, DE-15, DF-15, DG-15, DH-15, DI-15, DJ-15, DK-15, DL-15, DM-15, DN-15, DO-15, DP-15, DQ-15, DR-15, DS-15, DT-15, DU-15, DV-15, DW-15, DX-15, DY-15, DZ-15, EA-15, EB-15, EC-15, ED-15, EE-15, EF-15, EG-15, EH-15, EI-15, EJ-15, EK-15, EL-15, EM-15, EN-15, EO-15, EP-15, EQ-15, ER-15, ES-15, ET-15, EU-15, EV-15, EW-15, EX-15, EY-15, EZ-15, FA-15, FB-15, FC-15, FD-15, FE-15, FF-15, FG-15, FH-15, FI-15, FJ-15, FK-15, FL-15, FM-15, FN-15, FO-15, FP-15, FQ-15, FR-15, FS-15, FT-15, FU-15, FV-15, FW-15, FX-15, FY-15, FZ-15, GA-15, GB-15, GC-15, GD-15, GE-15, GF-15, GH-15, GI-15, GJ-15, GK-15, GL-15, GM-15, GN-15, GO-15, GP-15, GQ-15, GR-15, GS-15, GT-15, GU-15, GV-15, GW-15, GX-15, GY-15, GZ-15, HA-15, HB-15, HC-15, HD-15, HE-15, HF-15, HG-15, HH-15, HI-15, HJ-15, HK-15, HL-15, HM-15, HN-15, HO-15, HP-15, HQ-15, HR-15, HS-15, HT-15, HU-15, HV-15, HW-15, HX-15, HY-15, HZ-15, IA-15, IB-15, IC-15, ID-15, IE-15, IF-15, IG-15, IH-15, II-15, IJ-15, IK-15, IL-15, IM-15, IN-15, IO-15, IP-15, IQ-15, IR-15, IS-15, IT-15, IU-15, IV-15, IW-15, IX-15, IY-15, IZ-15, JA-15, JB-15, JC-15, JD-15, JE-15, JF-15, JG-15, JH-15, JI-15, JJ-15, JK-15, JL-15, JM-15, JN-15, JO-15, JP-15, JQ-15, JR-15, JS-15, JT-15, JU-15, JV-15, JW-15, JX-15, JY-15, JZ-15, KA-15, KB-15, KC-15, KD-15, KE-15, KF-15, KG-15, KH-15, KI-15, KJ-15, KK-15, KL-15, KM-15, KN-15, KO-15, KP-15, KQ-15, KR-15, KS-15, KT-15, KU-15, KV-15, KW-15, KX-15, KY-15, KZ-15, LA-15, LB-15, LC-15, LD-15, LE-15, LF-15, LG-15, LH-15, LI-15, LJ-15, LK-15, LL-15, LM-15, LN-15, LO-15, LP-15, LQ-15, LR-15, LS-15, LT-15, LU-15, LV-15, LW-15, LX-15, LY-15, LZ-15, MA-15, MB-15, MC-15, MD-15, ME-15, MF-15, MG-15, MH-15, MI-15, MJ-15, MK-15, ML-15, MM-15, MN-15, MO-15, MP-15, MQ-15, MR-15, MS-15, MT-15, MU-15, MV-15, MW-15, MX-15, MY-15, MZ-15, NA-15, NB-15, NC-15, ND-15, NE-15, NF-15, NG-15, NH-15, NI-15, NJ-15, NK-15, NL-15, NM-15, NO-15, NP-15, NQ-15, NR-15, NS-15, NT-15, NU-15, NV-15, NW-15, NX-15, NY-15, NZ-15, OA-15, OB-15, OC-15, OD-15, OE-15, OF-15, OG-15, OH-15, OI-15, OJ-15, OK-15, OL-15, OM-15, ON-15, OO-15, OP-15, OQ-15, OR-15, OS-15, OT-15, OU-15, OV-15, OW-15, OX-15, OY-15, OZ-15, PA-15, PB-15, PC-15, PD-15, PE-15, PF-15, PG-15, PH-15, PI-15, PJ-15, PK-15, PL-15, PM-15, PN-15, PO-15, PP-15, PQ-15, PR-15, PS-15, PT-15, PU-15, PV-15, PW-15, PX-15, PY-15, PZ-15, QA-15, QB-15, QC-15, QD-15, QE-15, QF-15, QG-15, QH-15, QI-15, QJ-15, QK-15, QL-15, QM-15, QN-15, QO-15, QP-15, QQ-15, QR-15, QS-15, QT-15, QU-15, QV-15, QW-15, QX-15, QY-15, QZ-15, RA-15, RB-15, RC-15, RD-15, RE-15, RF-15, RG-15, RH-15, RI-15, RJ-15, RK-15, RL-15, RM-15, RN-15, RO-15, RP-15, RQ-15, RR-15, RS-15, RT-15, RU-15, RV-15, RW-15, RX-15, RY-15, RZ-15, SA-15, SB-15, SC-15, SD-15, SE-15, SF-15, SG-15, SH-15, SI-15, SJ-15, SK-15, SL-15, SM-15, SN-15, SO-15, SP-15, SQ-15, SR-15, SS-15, ST-15, SU-15, SV-15, SW-15, SX-15, SY-15, SZ-15, TA-15, TB-15, TC-15, TD-15, TE-15, TF-15, TG-15, TH-15, TI-15, TJ-15, TK-15, TL-15, TM-15, TN-15, TO-15, TP-15, TQ-15, TR-15, TS-15, TT-15, TU-15, TV-15, TW-15, TX-15, TY-15, TZ-15, UA-15, UB-15, UC-15, UD-15, UE-15, UF-15, UG-15, UH-15, UI-15, UJ-15, UK-15, UL-15, UM-15, UN-15, UO-15, UP-15, UQ-15, UR-15, US-15, UT-15, UU-15, UV-15, UW-15, UX-15, UY-15, UZ-15, VA-15, VB-15, VC-15, VD-15, VE-15, VF-15, VG-15, VH-15, VI-15, VJ-15, VK-15, VL-15, VM-15, VN-15, VO-15, VP-15, VQ-15, VR-15, VS-15, VT-15, VU-15, VV-15, VW-15, VX-15, VY-15, VZ-15, WA-15, WB-15, WC-15, WD-15, WE-15, WF-15, WG-15, WH-15, WI-15, WJ-15, WK-15, WL-15, WM-15, WN-15, WO-15, WP-15, WQ-15, WR-15, WS-15, WT-15, WU-15, WV-15, WW-15, WX-15, WY-15, WZ-15, XA-15, XB-15, XC-15, XD-15, XE-15, XF-15, XG-15, XH-15, XI-15, XJ-15, XK-15, XL-15, XM-15, XN-15, XO-15, XP-15, XQ-15, XR-15, XS-15, XT-15, XU-15, XV-15, XW-15, XX-15, XY-15, XZ-15, YA-15, YB-15, YC-15, YD-15, YE-15, YF-15, YG-15, YH-15, YI-15, YJ-15, YK-15, YL-15, YM-15, YN-15, YO-15, YP-15, YQ-15, YR-15, YS-15, YT-15, YU-15, YV-15, YW-15, YX-15, YY-15, YZ-15, ZA-15, ZB-15, ZC-15, ZD-15, ZE-15, ZF-15, ZG-15, ZH-15, ZI-15, ZJ-15, ZK-15, ZL-15, ZM-15, ZN-15, ZO-15, ZP-15, ZQ-15, ZR-15, ZS-15, ZT-15, ZU-15, ZV-15, ZW-15, ZX-15, ZY-15, ZZ-15