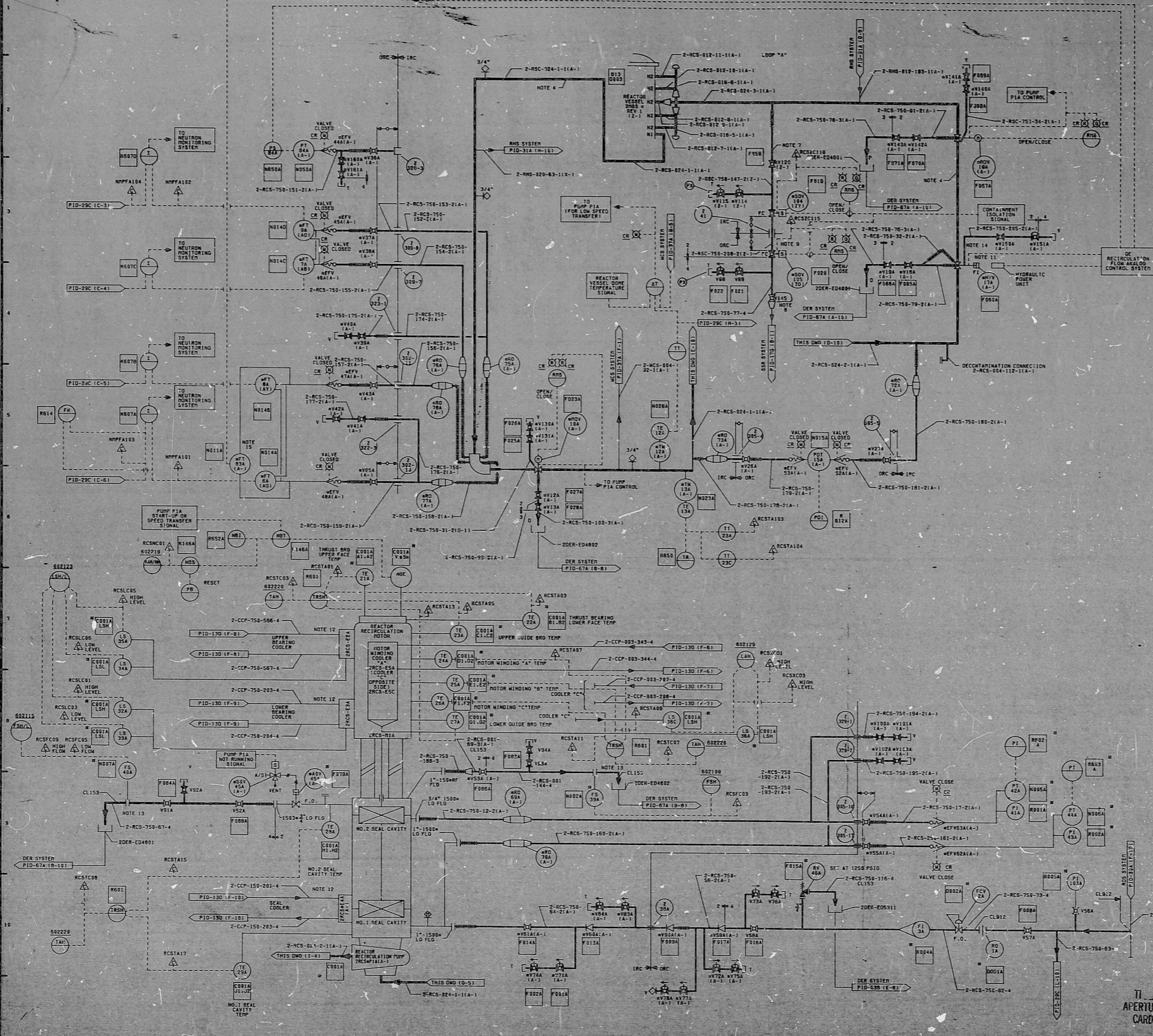


12177-PID-298-4



ITEM NUMBER	DESCRIPTION	SIZE	NO. OF VALVES
2-RCS-124-1-11A-1	VALVE	3/4"	1
2-RCS-124-1-11A-2	VALVE	3/4"	1
2-RCS-124-1-11A-3	VALVE	3/4"	1
2-RCS-124-1-11A-4	VALVE	3/4"	1
2-RCS-124-1-11A-5	VALVE	3/4"	1
2-RCS-124-1-11A-6	VALVE	3/4"	1
2-RCS-124-1-11A-7	VALVE	3/4"	1
2-RCS-124-1-11A-8	VALVE	3/4"	1
2-RCS-124-1-11A-9	VALVE	3/4"	1
2-RCS-124-1-11A-10	VALVE	3/4"	1
2-RCS-124-1-11A-11	VALVE	3/4"	1
2-RCS-124-1-11A-12	VALVE	3/4"	1
2-RCS-124-1-11A-13	VALVE	3/4"	1
2-RCS-124-1-11A-14	VALVE	3/4"	1
2-RCS-124-1-11A-15	VALVE	3/4"	1
2-RCS-124-1-11A-16	VALVE	3/4"	1
2-RCS-124-1-11A-17	VALVE	3/4"	1
2-RCS-124-1-11A-18	VALVE	3/4"	1
2-RCS-124-1-11A-19	VALVE	3/4"	1
2-RCS-124-1-11A-20	VALVE	3/4"	1

- NOTES:
1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "RCS-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. ALL INSTRUMENT LINES SHOULD BE THE SAME IN THE PARTS FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF THE REACTOR SAFETY FEATURES SYSTEM.
  2. ALL IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES TO BE PREFIXED BY 2955 EXCEPT AS OTHERWISE SHOWN.
  3. ALL INSTRUMENT LINES INSIDE OF THE DRUM WELL TO BE CLASS 1516.
  4. ALL INSTRUMENT LINES OUTSIDE OF THE DRUM WELL TO BE CLASS 1522.
  5. ALL SUPPLIED RECIRC PIPING IS OF TYPE 316L STAINLESS STEEL.
  6. ALL LINES 1" NOMINAL PIPE SIZE AND SMALLER WHICH ARE PART OF THE REACTOR SAFETY FEATURES SYSTEM SHALL BE SAFETY CLASS 2.
  7. ALL RELIEF VALVE, DRAIN, AND VENT CONNECTIONS ARE 3/4" UNLESS OTHERWISE NOTED.
  8. SAMPLE PIPING IS 3/4" SCH 80S, TYPE 316L STAINLESS STEEL.
  9. SAMPLE TUBING IS 256 OD, TYPE 316 STAINLESS STEEL.
  10. BOVIES INSTALLED DIRECTLY ON THE END OF PENETRATION ASSEMBLY 241.
  11. RECIRC VALVES NOV10A, NOV17A, VENT 4 GRAIN LINES ARE CLASS 1516.
  12. SEE PID-298 FOR HYDRAULIC ACTUATOR PIPING CONNECTION DETAILS.
  13. COMPONENT COOLING WATER CONNECTION SIZE & TYPE SHOWN ON PID-130.
  14. UNLINES ARE PROVIDED BEFORE AND AFTER THE FLOW SWITCH.
  15. THIS INSTRUMENT REQUIRES SERVICE QUALIFICATION AND MAY BE RECALIBRATED, TESTED AND CALIBRATED TO QUALITY ASSURANCE CATEGORY 1C REQUIREMENTS.
  16. \*NOTES EQUIPMENT SUPPLIED BY GE-NEP.
  17. W-O-W DENOTES WITHIN DISTANCE FOR INSTALLATION.

DOCUMENT USER:  
CONSULT DES TO  
OBTAIN LATEST  
APPLICABLE DOCUMENT  
INFORMATION

NUCLEAR SAFETY RELATED  
QA CAT. I, II

PIPING & INSTRUMENTATION DIAGRAM  
REACTOR RECIRCULATION SYSTEM  
NINE MILE POINT NUCLEAR STATION-UNIT 2  
NIAGARA MOHAWK POWER CORPORATION

NO.	REV.	DATE	DESCRIPTION
1	1	10/1/77	ISSUED FOR CONSTRUCTION
2	1	11/1/77	REVISIONS TO INSTRUMENT NUMBERS
3	1	12/1/77	REVISIONS TO PIPING SIZES
4	1	1/1/78	REVISIONS TO VALVE TYPES
5	1	2/1/78	REVISIONS TO INSTRUMENT TYPES
6	1	3/1/78	REVISIONS TO PIPING MATERIALS
7	1	4/1/78	REVISIONS TO INSTRUMENT RANGES
8	1	5/1/78	REVISIONS TO VALVE SIZES
9	1	6/1/78	REVISIONS TO INSTRUMENT TYPES
10	1	7/1/78	REVISIONS TO PIPING SIZES
11	1	8/1/78	REVISIONS TO VALVE TYPES
12	1	9/1/78	REVISIONS TO INSTRUMENT TYPES
13	1	10/1/78	REVISIONS TO PIPING MATERIALS
14	1	11/1/78	REVISIONS TO INSTRUMENT RANGES
15	1	12/1/78	REVISIONS TO VALVE SIZES
16	1	1/1/79	REVISIONS TO INSTRUMENT TYPES
17	1	2/1/79	REVISIONS TO PIPING SIZES
18	1	3/1/79	REVISIONS TO VALVE TYPES
19	1	4/1/79	REVISIONS TO INSTRUMENT TYPES
20	1	5/1/79	REVISIONS TO PIPING MATERIALS
21	1	6/1/79	REVISIONS TO INSTRUMENT RANGES
22	1	7/1/79	REVISIONS TO VALVE SIZES
23	1	8/1/79	REVISIONS TO INSTRUMENT TYPES
24	1	9/1/79	REVISIONS TO PIPING SIZES
25	1	10/1/79	REVISIONS TO VALVE TYPES
26	1	11/1/79	REVISIONS TO INSTRUMENT TYPES
27	1	12/1/79	REVISIONS TO PIPING MATERIALS
28	1	1/1/80	REVISIONS TO INSTRUMENT RANGES
29	1	2/1/80	REVISIONS TO VALVE SIZES
30	1	3/1/80	REVISIONS TO INSTRUMENT TYPES
31	1	4/1/80	REVISIONS TO PIPING SIZES
32	1	5/1/80	REVISIONS TO VALVE TYPES
33	1	6/1/80	REVISIONS TO INSTRUMENT TYPES
34	1	7/1/80	REVISIONS TO PIPING MATERIALS
35	1	8/1/80	REVISIONS TO INSTRUMENT RANGES
36	1	9/1/80	REVISIONS TO VALVE SIZES
37	1	10/1/80	REVISIONS TO INSTRUMENT TYPES
38	1	11/1/80	REVISIONS TO PIPING SIZES
39	1	12/1/80	REVISIONS TO VALVE TYPES
40	1	1/1/81	REVISIONS TO INSTRUMENT TYPES
41	1	2/1/81	REVISIONS TO PIPING MATERIALS
42	1	3/1/81	REVISIONS TO INSTRUMENT RANGES
43	1	4/1/81	REVISIONS TO VALVE SIZES
44	1	5/1/81	REVISIONS TO INSTRUMENT TYPES
45	1	6/1/81	REVISIONS TO PIPING SIZES
46	1	7/1/81	REVISIONS TO VALVE TYPES
47	1	8/1/81	REVISIONS TO INSTRUMENT TYPES
48	1	9/1/81	REVISIONS TO PIPING MATERIALS
49	1	10/1/81	REVISIONS TO INSTRUMENT RANGES
50	1	11/1/81	REVISIONS TO VALVE SIZES
51	1	12/1/81	REVISIONS TO INSTRUMENT TYPES
52	1	1/1/82	REVISIONS TO PIPING SIZES
53	1	2/1/82	REVISIONS TO VALVE TYPES
54	1	3/1/82	REVISIONS TO INSTRUMENT TYPES
55	1	4/1/82	REVISIONS TO PIPING MATERIALS
56	1	5/1/82	REVISIONS TO INSTRUMENT RANGES
57	1	6/1/82	REVISIONS TO VALVE SIZES
58	1	7/1/82	REVISIONS TO INSTRUMENT TYPES
59	1	8/1/82	REVISIONS TO PIPING SIZES
60	1	9/1/82	REVISIONS TO VALVE TYPES
61	1	10/1/82	REVISIONS TO INSTRUMENT TYPES
62	1	11/1/82	REVISIONS TO PIPING MATERIALS
63	1	12/1/82	REVISIONS TO INSTRUMENT RANGES
64	1	1/1/83	REVISIONS TO VALVE SIZES
65	1	2/1/83	REVISIONS TO INSTRUMENT TYPES
66	1	3/1/83	REVISIONS TO PIPING SIZES
67	1	4/1/83	REVISIONS TO VALVE TYPES
68	1	5/1/83	REVISIONS TO INSTRUMENT TYPES
69	1	6/1/83	REVISIONS TO PIPING MATERIALS
70	1	7/1/83	REVISIONS TO INSTRUMENT RANGES
71	1	8/1/83	REVISIONS TO VALVE SIZES
72	1	9/1/83	REVISIONS TO INSTRUMENT TYPES
73	1	10/1/83	REVISIONS TO PIPING SIZES
74	1	11/1/83	REVISIONS TO VALVE TYPES
75	1	12/1/83	REVISIONS TO INSTRUMENT TYPES
76	1	1/1/84	REVISIONS TO PIPING MATERIALS
77	1	2/1/84	REVISIONS TO INSTRUMENT RANGES
78	1	3/1/84	REVISIONS TO VALVE SIZES
79	1	4/1/84	REVISIONS TO INSTRUMENT TYPES
80	1	5/1/84	REVISIONS TO PIPING SIZES
81	1	6/1/84	REVISIONS TO VALVE TYPES
82	1	7/1/84	REVISIONS TO INSTRUMENT TYPES
83	1	8/1/84	REVISIONS TO PIPING MATERIALS
84	1	9/1/84	REVISIONS TO INSTRUMENT RANGES
85	1	10/1/84	REVISIONS TO VALVE SIZES
86	1	11/1/84	REVISIONS TO INSTRUMENT TYPES
87	1	12/1/84	REVISIONS TO PIPING SIZES
88	1	1/1/85	REVISIONS TO VALVE TYPES
89	1	2/1/85	REVISIONS TO INSTRUMENT TYPES
90	1	3/1/85	REVISIONS TO PIPING MATERIALS
91	1	4/1/85	REVISIONS TO INSTRUMENT RANGES
92	1	5/1/85	REVISIONS TO VALVE SIZES
93	1	6/1/85	REVISIONS TO INSTRUMENT TYPES
94	1	7/1/85	REVISIONS TO PIPING SIZES
95	1	8/1/85	REVISIONS TO VALVE TYPES
96	1	9/1/85	REVISIONS TO INSTRUMENT TYPES
97	1	10/1/85	REVISIONS TO PIPING MATERIALS
98	1	11/1/85	REVISIONS TO INSTRUMENT RANGES
99	1	12/1/85	REVISIONS TO VALVE SIZES
100	1	1/1/86	REVISIONS TO INSTRUMENT TYPES

THIS DRAWING CREATED ELECTRONICALLY

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