



NAME	SIZE	NO. OF VALVES
2-RCS-150-183-210-1	3/4"	1
2-RCS-150-183-210-1	3/4"	20
2-RCS-150-183-210-1	3/4"	3
2-RCS-150-183-210-1	3/4"	0
2-RCS-150-183-210-1	3/4"	0
2-RCS-150-183-210-1	3/4"	2
2-RCS-150-183-210-1	3/4"	2
2-RCS-150-183-210-1	3/4"	3
2-RCS-150-183-210-1	3/4"	1

- NOTES:
1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2-RCS" EXCEPT WHERE SHOWN OTHERWISE. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR "OPERATION INSTRUMENTS" WHICH ARE A PART OF THE NUCLEAR SAFETY FEATURES SYSTEM.
 2. DE IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES TO BE PREFIXED BY 535 EXCEPT AS OTHERWISE SHOWN.
 3. ALL INSTRUMENT LINES INSIDE ORNEMENTS TO BE CL 1516. ALL INSTRUMENT LINES OUTSIDE THE ORNEMENTS TO BE CL 1522.
 4. DE SUPPLIED REACTOR PIPING IS OF TYPE 316L MATERIAL.
 5. REACTOR VALVE VENT & DRAIN PIPING IS CL 1516.
 6. ALL RELIEF VALVE VENT & DRAIN CONNECTIONS ARE 3/4" UNLESS OTHERWISE NOTED.
 7. SEE P10-284 FOR HYDRAULIC ACTUATOR PIPING CONNECTION DETAILS.
 8. UNION ENDS ARE PROVIDED BEFORE & AFTER THE FLOW SWITCH.
 9. COMPONENT COOLING WATER CONNECTION SIZE & TYPE SHOWN ON P10-130.
 10. LINES 1" NOMINAL PIPE SIZE AND SMALLER WHICH ARE PART OF THE REACTOR COOLANT PRESSURE BOUNDARY (RCPB) SHALL BE SAFETY CLASS 2.
 11. PRESSURE VENT VENT PIPING TO BE CL 1516, SCHEDULE 30S.
 12. THIS INSTRUMENT REQUIRES BASIC QUALIFICATION AND MAY BE PURCHASED, INSTALLED, TESTED AND CALIBRATED TO QUALITY ASSURANCE (QA) FACTORY REQUIREMENTS.
 13. * DENOTES EQUIPMENT SUPPLIED BY DE-NCS.
 14. *O-M DENOTES MINIMUM DISTANCE FOR INSTALLATION.

DOCUMENT USER CONSULT DCS TO OBTAIN LATEST APPLICABLE DOCUMENT INFORMATION.

NUCLEAR SAFETY RELATED GA CAT I, II

PIPING & INSTRUMENTATION DIAGRAM REACTOR RECIRCULATION SYSTEM

NINE MILE POINT NUCLEAR STATION-UNIT 2 NIAGARA MOHAWK POWER CORPORATION

12177-PID-290-5

NO.	DATE	DESCRIPTION	BY	CHKD.	APP'D.
1	12/17/77	ISSUED FOR CONSTRUCTION	[Signature]	[Signature]	[Signature]
2	01/10/78	REVISION 1: CORRECTED INSTRUMENT NUMBERS	[Signature]	[Signature]	[Signature]
3	02/15/78	REVISION 2: ADDED VALVE IDENTIFICATION	[Signature]	[Signature]	[Signature]

PDR RIDS

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