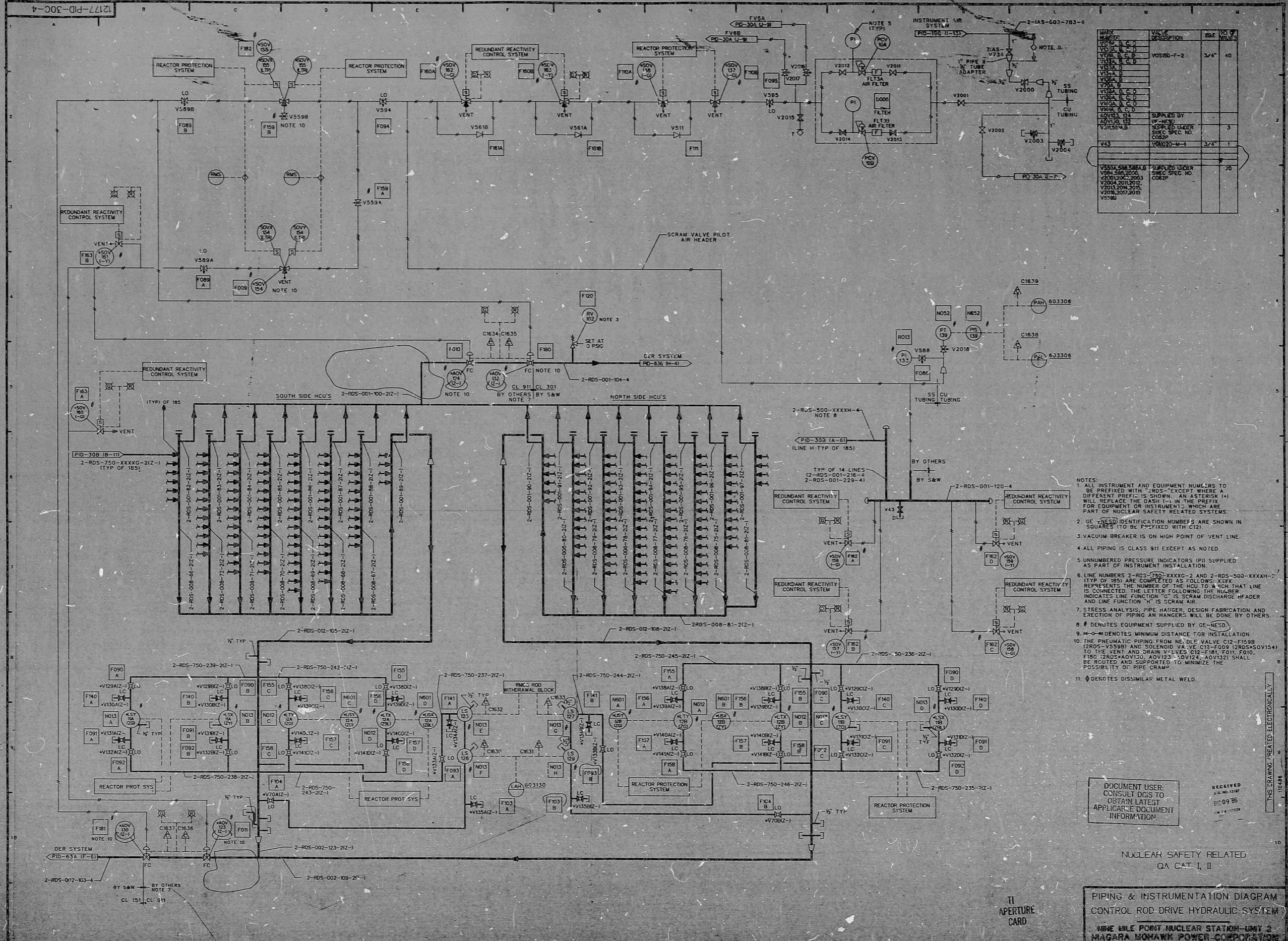


12177-PID-30C-4



MARK	VALVE	DESCRIPTION	SIZE	MT
V1000	V1000	V1000	3/4"	40
V1001	V1001	V1001	3/4"	40
V1002	V1002	V1002	3/4"	40
V1003	V1003	V1003	3/4"	40
V1004	V1004	V1004	3/4"	40
V1005	V1005	V1005	3/4"	40
V1006	V1006	V1006	3/4"	40
V1007	V1007	V1007	3/4"	40
V1008	V1008	V1008	3/4"	40
V1009	V1009	V1009	3/4"	40
V1010	V1010	V1010	3/4"	40
V1011	V1011	V1011	3/4"	40
V1012	V1012	V1012	3/4"	40
V1013	V1013	V1013	3/4"	40
V1014	V1014	V1014	3/4"	40
V1015	V1015	V1015	3/4"	40
V1016	V1016	V1016	3/4"	40
V1017	V1017	V1017	3/4"	40
V1018	V1018	V1018	3/4"	40
V1019	V1019	V1019	3/4"	40
V1020	V1020	V1020	3/4"	40
V1021	V1021	V1021	3/4"	40
V1022	V1022	V1022	3/4"	40
V1023	V1023	V1023	3/4"	40
V1024	V1024	V1024	3/4"	40
V1025	V1025	V1025	3/4"	40
V1026	V1026	V1026	3/4"	40
V1027	V1027	V1027	3/4"	40
V1028	V1028	V1028	3/4"	40
V1029	V1029	V1029	3/4"	40
V1030	V1030	V1030	3/4"	40
V1031	V1031	V1031	3/4"	40
V1032	V1032	V1032	3/4"	40
V1033	V1033	V1033	3/4"	40
V1034	V1034	V1034	3/4"	40
V1035	V1035	V1035	3/4"	40
V1036	V1036	V1036	3/4"	40
V1037	V1037	V1037	3/4"	40
V1038	V1038	V1038	3/4"	40
V1039	V1039	V1039	3/4"	40
V1040	V1040	V1040	3/4"	40
V1041	V1041	V1041	3/4"	40
V1042	V1042	V1042	3/4"	40
V1043	V1043	V1043	3/4"	40
V1044	V1044	V1044	3/4"	40
V1045	V1045	V1045	3/4"	40
V1046	V1046	V1046	3/4"	40
V1047	V1047	V1047	3/4"	40
V1048	V1048	V1048	3/4"	40
V1049	V1049	V1049	3/4"	40
V1050	V1050	V1050	3/4"	40

- NOTES:
1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH 2-RDS- EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE PART OF NUCLEAR SAFETY RELATED SYSTEMS.
 2. GE (AESD) IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED WITH C12).
 3. VACUUM BREAKER IS ON HIGH POINT OF VENT LINE.
 4. ALL PIPING IS CLASS 911 EXCEPT AS NOTED.
 5. UNNUMBERED PRESSURE INDICATORS (PI) SUPPLIED AS PART OF INSTRUMENT INSTALLATION.
 6. LINE NUMBERS 2-RDS-750-XXXX-2 AND 2-RDS-500-XXXX-2 TYP OF 185 ARE CONVERTED AS FOLLOWS: XXXX REPRESENTS THE NUMBER OF THE HCU TO WHICH THAT LINE IS CONNECTED. THE LETTER FOLLOWING THE NUMBER INDICATES LINE FUNCTION: 'C' IS SCRAM DISCHARGE HEADER AND LINE FUNCTION 'H' IS SCRAM AIR.
 7. STRESS ANALYSIS, PIPE HANGER, DESIGN FABRICATION AND ERECTION OF PIPING AND HANGERS WILL BE DONE BY OTHERS.
 8. # DENOTES EQUIPMENT SUPPLIED BY GE-NEED.
 9. #--#--# DENOTES MINIMUM DISTANCE FOR INSTALLATION.
 10. THE PNEUMATIC PIPING FROM NEEDLE VALVE C12-F1598 (2-RDS-V5598) AND SOLENOID VALVE C12-F009 (2-RDS-V5015) TO THE VENT AND DRAIN V-LINES C12-F181, F011, F010, F180 (2-RDS-ADV130, ADV123, ADV124, ADV132) SHALL BE ROUTED AND SUPPORTED TO MINIMIZE THE POSSIBILITY OF PIPE CRAMP.
 11. # DENOTES DISSIMILAR METAL WELD.

DOCUMENT USER:
CONSULT DCIS TO
OBTAIN LATEST
APPLICABLE DOCUMENT
INFORMATION

NUCLEAR SAFETY RELATED
QA CAT. I, II

PIPING & INSTRUMENTATION DIAGRAM
CONTROL ROD DRIVE HYDRAULIC SYSTEM

NINE MILE POINT NUCLEAR STATION-UNIT 2
NIAGARA MOHAWK POWER CORPORATION
STONE & WEBSTER ENGINEERING CORPORATION
CORNY, N.Y.

T1
APERTURE
CARD

INCORPORATES ECH NO'S RDS-014, 403, 603, 604, 014	AS 18510 ISSUE INCORPORATES ECH NO'S RDS-014, 403, 603, 604, 014	INCORPORATES ECH NO'S RDS-004, 088, 011, 013	ORIGINAL ISSUE INCORPORATES ECH NO'S RDS-004, 011, 007
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PDR RIDS

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